



UNIVERSITY OF
**NORTHERN
COLORADO**

GRADUATE

CATALOG 2024-25

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GRADUATE CATALOG 2024-2025

Greeley, Colorado

Effective August 15, 2024 - August 14, 2025

PRINT VERSION

The online version of the catalog at catalog.unco.edu will always display the most current version of the catalog and therefore replaces and supersedes any hard copy version.

University of Northern Colorado reserves the right to change its role, policies or course offerings at any time. To that extend, any contradictions that exist between this catalog and University of Northern Colorado policies, the policies take precedence and control.

Download the PDF version of this catalog.

ABOUT THE UNIVERSITY

As Colorado's leader in education, the University of Northern Colorado (UNC) is committed to bringing together diverse ideas, voices and people to shape a student's first university experience. UNC provides students with a personalized education, grounded in liberal arts and infused with critical and creative inquiry, empowering them to make a difference in their own lives and in their communities. Faculty and staff nurture individual development, passing along skills and knowledge to provide upward mobility for alumni, and the Bear family shares a commitment to the values of inclusion, equity, and diversity.

At UNC, there are more than 100 undergraduate and 100 graduate programs of study in five colleges: Humanities and Social Sciences, Business, Education and Behavioral Sciences, Natural and Health Sciences, and Performing and Visual Arts. With more than 2,000 undergraduate and 1,400 graduate courses available, advisors help students build an education that will make them competitive in the global job market.

More than 7,350 undergraduates from 47 U.S. states and 24 other countries attend classes on our beautiful 260-acre campus and through our extended campuses online and in Loveland and Denver. Forty-two percent of our students are first in their families to attend college.

Our libraries include James A. Michener Library, home to the author's literary legacy, and Skinner Music Library, one of a handful of music libraries in the nation dedicated exclusively to research materials and media required by the nation's most rigorous music schools.

Students can get involved in more than 100 student organizations on campus, including leadership, professional, social, cultural and honorary groups. They can choose to join Fraternity and Sorority Life, explore Colorado with Outdoor Pursuits, engage in residential programming that enhances academic curricula, attend NCAA Division I athletic events, work on campus, and participate in service or experiential learning projects.

Located in Greeley, a city of more than 105,000 residents an hour's drive north of Denver, UNC's main campus is close to shopping, dining, popular activities, theaters, music venues, outdoor trails, parks and a growing downtown.

Academic integrity is valued and expected. Excellence is sought and rewarded. Teaching and learning flourish. Diversity of thought and culture is respected. Intellectual freedom is preserved. Equal opportunity is afforded. And UNC students thrive.

Welcome from President Andrew Feinstein

Welcome, Bears! I invite you to explore the 2024-2025 Academic Catalog to learn about the robust set of programs and course offerings that are available to you as a student at the University of Northern Colorado. I trust you will find courses that pique your interest and align with your academic and career aspirations. Our curriculum has been thoughtfully developed to meet your needs and interests, and prepare you with the knowledge and skills to succeed in your chosen fields.

As a Students First institution, our faculty and staff support your success inside and outside the classroom – doing everything we can to ensure you have an enriching and engaging educational experience. We are committed to facilitating your journey toward completing a degree– and hope to sustain connections with you throughout your lifetime as we welcome you into our expansive alumni community. It is our intention for every student to leave UNC feeling confident and well-prepared to pursue their dreams.

Earning a college degree is one of life's most rewarding experiences and paves the way for upward social mobility and future success. I am glad that you have chosen UNC to provide the educational foundation for your future. Best of luck this academic year!

University of Northern Colorado Affirmative Action/Equal Opportunity Policy

Human Resources and the Office of Institutional Equity and Compliance (OEIC) are responsible for implementation of affirmative action, programs, and coordination of Title VI and VII of the Civil Rights act of 1964, Title IX of the Education Amendments of 1972, the Vietnam Era Veteran's Readjustment Act of 1974, and Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1990. For more information about these provisions, about issues of equity or fairness, or to report claims of discrimination contact OEIC and the Title IX Coordinator at titleix@unco.edu or 970-351-4899, or Human Resources at human.resources@unco.edu or 970-351-2718. These offices also assist regarding Affirmative Action and Equal Opportunity.

Disclaimer

The content of this document is provided for the information of the student. It is accurate at the time of printing but is subject to change from time to time as deemed appropriate by the University President or Board of Trustees in order to fulfill the University role and mission or to accommodate circumstances beyond their control. Any such changes may be implemented without prior notice, without obligation and, unless specified otherwise, are effective when made. The Catalog posted at www.catalog.unco.edu may reflect current information that was not available at the time of this publication.

The calendar is a projection of the course of events for the academic year and represents the best judgment of the administration and staff. It is subject to change due to forces beyond the control of University employees or as deemed necessary by the University staff in order to fulfill educational objectives.

The faculty and staff of the University of Northern Colorado reserve the right to terminate or modify program requirements, content, and the sequence of the program offerings from semester to semester for educational, operational or financial reasons that are deemed sufficient to warrant such actions.

Calendar

Please reference the 3-year calendar at www.unco.edu/registrar/calendars/ for detailed information.

Dates are subject to change.

Mission Statement of the University of Northern Colorado

The University of Northern Colorado shall be a comprehensive baccalaureate and specialized graduate research university with selective admission standards. The University shall offer a comprehensive array of baccalaureate programs and master's and doctoral degrees, primarily in the field of education. The University of Northern Colorado has statewide authority to offer graduate programs for the preparation of education personnel.

University of Northern Colorado Points of Pride

- UNC is a recipient of the prestigious Christa McAuliffe Award for Excellence in Teacher Preparation from the American Association of State Colleges and Universities.
- Our Monfort College of Business is the first and only business school to receive the Malcolm Baldrige National Quality Award from the Office of the President of the United States.
- The arts are part of the UNC Student Experience: Our School of Music is home to 25 musical ensembles and our School of Theatre Arts and Dance stages seven mainstage productions and more than 30 student productions each year as well as being home to the Little Theater of the Rockies, the oldest professional summer stock theatre west of the Mississippi River and in the state of Colorado.
- The Colorado Legislature designated UNC as the primary institution for undergraduate and graduate teacher education in the state and alumni K-12 educators currently serve every county in Colorado.
- UNC has the oldest Gender Studies program in Colorado, which was originally founded as a women's studies program in 1974 and attracted students to learn about the development and culture of gender, sexuality and inequality both past and present.
- *DownBeat* Magazine has rated UNC's University Orchestra the top university orchestra in the United States repeatedly for more than 10 years (2021).
- Celebrating 60 years of nursing education excellence, our BS in Nursing program is one of the best in Colorado and ranks #112 in the nation, with a 95-100% passage rate on the national licensing exam for registered nurses.
- UNC earned recognition as a "Best of the Best" LGBTQ-friendly campus based on the Campus Pride index.
- Each year, students host the UNC International Film Series, the longest-running student film program in Colorado.
- UNC has the only accredited, online B.A. in American Sign Language Interpretation program in the nation by the Commission on Collegiate Interpreter Education.
- Our Monfort College of Business is ranked #1 in the world for experimental Accounting Information Systems (AIS) research and #9 in the world for all other AIS research, where accounting, systems and analytics intersect. The top recognition, from among more than 630 universities measured, comes from the annual Brigham Young University Accounting rankings for research quality.
- Our Jazz Studies program has won more than 150 *DownBeat* Magazine awards in the last 30 years.
- 26 UNC graduates have appeared in 67 different Broadway productions — a record unmatched by any other BA Musical Theatre program in the country.
- The university's Rocky Mountain Cancer Rehabilitation Institute is the only comprehensive cancer rehabilitation facility of its kind, providing individualized prescriptive exercise and dietary intervention for cancer treatment-related symptoms.
- Last year, the men's Basketball team made the finals of the Big Sky Basketball Championships for the first time in its history.
- UNC's School of Art and Design is led by award-winning director who was named Art Educator of the Year by the Colorado Art Education Association for excellence in contributions, service and professional achievements in the field of visual arts education.
- Our James A. Michener Library is home to the bulk of the alumnus and Pulitzer Prize-winning author's writing and publishing legacy.
- UNC hosts a Chicana/o/x and Latinx Film Festival in March, highlighting a film each week that focuses on a different aspect of culture, history and contemporary issues.
- Our student athletes succeed in the classroom and in competition: earning the highest GPA in the NCAA Division 1 Big Sky Athletic Conference for 18th consecutive semesters—a cumulative GPA of 3.07—and winning six Big Sky volleyball tournament championships and earning an NCAA championship berth for the seventh time. **Go Bears!**

University of Northern Colorado Traditions

The University of Northern Colorado has a rich and dynamic 134-year history. As the university has evolved and grown with each generation of Bears, many favorite traditions have emerged to celebrate the spirit, community and diversity that make UNC a special place for all of us.

Homecoming

UNC alumni first celebrated Homecoming in 1923 and have since continued this tradition. This year marks our 100th Homecoming, an annual celebration held in conjunction with a home football game (Go Bears!). The festivities include weeklong student spirit activities, an evening pep rally and bonfire with the Pride of the Rockies Marching band, and alumni gatherings across campus.

Cranford Cornerstone

Much celebration surrounded the laying of the cornerstone of the first building constructed at the new State Normal School in Greeley in 1890. The building was later named Cranford Hall after the businessman who donated most of the land for the school. Although the building was ravaged by time and a fire and had to eventually be demolished in 1972, its cornerstone was salvaged and is prominently displayed near the west entrance to Carter Hall as a reminder of our historic founding.

Gunter Hall

During Gunter Hall's renovation in 1996, architects salvaged as many of the 1928 building's historic features as possible, including the center court of the gym floor, original wall murals and the famous Gunter bells, which had been replaced three times prior to the renovation. Today the bells ring electronically, but no less proudly to mark the passage of time across campus as they have for generations of UNC students.

Hi Bridge

A gift from the 1940 senior class, Hi Bridge is located between Gunter Hall and Gray Hall and originally led to the front door of Bru Inn, the former student union. The bridge established the tradition that anyone who crossed it, friend or stranger, were to greet each other with a cordial "Hi." Today, undergraduate students apply to become a Hi Bridge Society delegate, representing UNC hospitality at its best at numerous alumni and community events. Delegates are named and recognized during the annual Homecoming celebration.

Becoming the Bears

Until 1925, the official name of the university's athletic teams was the Teachers. The following year, our mascot became a brown Bear, in recognition of the bear carving atop an Alaskan Tlingit totem pole that was part of the Greeley campus since 1914. Nicknamed "Totem Teddy," it

served as a school symbol until 2003, when it was properly returned to the Tlingit tribe under the Native American Graves Protection and Repatriation Act. The bronze statue *Northern Vision* now serves as the visual representation of UNC's beloved Bear identity and mascot.

Northern Vision

Since 2004, *Northern Vision*, our 12-foot-high, 2,000-pound, bronze sculpture of a bear on the north lawn of the University Center (UC), has watched intently over our campus community. Created and donated by local sculptors at the behest of a cadre of persuasive UNC alumni, the eye-catching piece of art faces southeast toward the UC, the vibrant hub for student life, symbolizing the university's focus on students. *Northern Vision* is a favorite photo spot to capture two iconic UNC moments—the conclusion of a student's first campus tour and a student's commencement photo in cap and gown regalia.

Accreditation and Affiliation

Since 1916, the University has been accredited by the Higher Learning Commission (HLC). UNC's accreditation was affirmed by the HLC in June 2015, with the next reaffirmation of accreditation in 2024-2025. Additional information about UNC's accreditation is available at www.unco.edu/accreditation/higher-learning-commission.aspx.

All UNC degrees in fields that require accreditation for licensure or certification are accredited. A complete description of programs that hold specialized accreditation is available at www.unco.edu/accreditation/specialized-accreditation.aspx. UNC programs are accredited by the following specialized accrediting bodies.

- Accreditation Council for Education in Nutrition and Dietetics
- American Psychological Association
- Association to Advance Collegiate Schools of Business International
- CAATE: Commission on Accreditation of Athletic Training Education
- Commission on Collegiate Interpreter Education
- Commission on Collegiate Nursing Education
- Commission on English Language Program Accreditation
- Council for Accreditation of Counseling and Related Educational Programs
- Council on Academic Accreditation in Audiology and Speech-Language Pathology
- Council on Education for Public Health

- International Association of Counseling Services
- National Association of School Psychologists
- National Association of Schools of Music
- National Association of Schools of Theatre

- Teacher Education Council of State Colleges and Universities
- University Council for Educational Administration
- Western Association of Graduate Schools

In addition to these accrediting bodies, UNC has multiple programs that have been approved or authorized by a state or national organization. Although these are not accrediting bodies, approval indicates that programs meet the standards of the organization.

- American Chemical Society
- Association of Psychology Post-doctoral and Internship Centers
- College Reading and Learning Association
- Colorado Department of Education (all Education programs)
- Colorado State Board of Nursing
- Professional Science Master's Environmental Geosciences (PSM)

UNC holds affiliations with the following organizations:

- American Association of Colleges for Teacher Education
- American Association of State Colleges and Universities
- Colorado Coalition for the Educational Advancement of Latinos
- Colorado Council of Deans of Education
- College Language Association
- Council of Academic Deans from Research Education Institutions
- Council of Colleges of Arts and Sciences
- Council of Graduate Schools in the United States
- Higher Education Consortium for Special Education
- Hispanic Association of Colleges and Universities
- Inter-Mountain University Research Administrators
- National Association of College and University Attorneys
- National Association of Graduate Admissions Professionals
- National Organization of Research Development Professionals
- Rocky Mountain Advanced Computing Consortium
- Society for Research Administrators

GRADUATE SCHOOL - THE UNIVERSITY OF NORTHERN COLORADO

The Graduate School at the University of Northern Colorado (UNC) is a specialized graduate research institution, offering master's, specialist in education and doctoral degree programs. Numerous professional licensure, certificate and/or endorsement programs of study are available to individuals pursuing their professional careers in schools and communities on our main campus, online or through our extended studies centers.

Please review our graduate programs, courses and Graduate School policies and procedures. UNC offers graduate students a unique experience in graduate education; we look forward to supporting your advanced education.

The Graduate School

Associate Vice President of Research & Dean of the Graduate School: Jeri-Anne Lyons, Ph.D.

Location: Carter Hall 2007

Telephone: 970.351.2831

Introduction

The first graduate degree, a master's degree, was offered by UNC to three students in 1911. These students graduated in 1913. In 1929 the Doctor of Education was added, in 1934 the Doctor of Philosophy, in 1954 the Educational Specialist, in 1975 the Doctor of Arts, and in 1984 the Doctor of Psychology was added. The Doctor of Audiology was added in 2003, and the Doctor of Nursing Education was added in 2004. In 2013, UNC celebrated a century of graduate education.

Graduate study at UNC involves the graduate student studying under the direction of a qualified member of the graduate faculty. Thus, graduate credit is awarded for courses of study taught by duly appointed members of the graduate faculty who meet the criteria established by the faculty constitution and the bylaws of the graduate faculty. The exchange of information, ideas and values that takes place between the graduate faculty and highly qualified students is the essence of graduate education.

Graduate students must display evidence of superior academic aptitude, achievement and motivation. Moreover, graduate students demonstrate competence in their discipline through a variety of measures: professional demeanor, written and oral exams, directed studies, internships, research projects, theses, capstones and/or dissertations. These measures are an integral part of the graduate education experience. Through cooperative efforts of the graduate faculty, the Graduate Council and the Graduate School, the university seeks to establish an environment in which graduate students and the graduate

faculty can achieve the goals of a 21st century graduate education.

Rules and regulations contained herein are intended to help the graduate faculty and the graduate student to accomplish the intent and purposes of graduate education. The Graduate Catalog contains the policies and procedures consistent with policies of the Board of Trustees and University Regulations. These policies and procedures are informed by the Graduate Council and govern the Graduate School, graduate programs, graduate faculty and graduate students.

Graduate Council

It is the responsibility of the Graduate Council to recommend policies governing graduate programs and requirements at the university. It sets minimum standards for admission to the Graduate School at UNC. The council is comprised of representatives from the graduate faculty drawn from all colleges who are elected to serve three-year terms.

Graduate Faculty

Graduate faculty are appointed by the University President, or their designee, after being recommended by the academic unit, the academic dean, the Graduate Council and the Graduate Dean.

At the time of appointment, graduate faculty are authorized to teach graduate courses, act as program advisors for graduate students, serve on doctoral committees and other university committees pertaining to graduate education at UNC. Only graduate faculty who have received the doctoral research endorsement (DRE) are authorized to serve as research advisors on doctoral students' research committees. A faculty member who has retired and is currently serving as a research advisor on a doctoral committee can continue to serve as research advisor, but they must apply for and be granted Retired Graduate Faculty (RGF) prior to retirement. The term of appointment for RGF status is 3 years.

Upon approval by the school or department, the academic dean and the dean of the Graduate School selected individuals may be appointed as graduate lecturers for a four-year period. These faculty members may teach specific courses that are approved and/or perform other designated graduate responsibilities. Graduate credit can be granted for courses taught by a faculty member who has been appointed to the graduate faculty or to the graduate lecturer faculty.

No graduate credit can be granted for any course taught by a current graduate student at this institution. Graduate faculty members are noted in the listing of UNC faculty in this publication.

Academic Recognition

Graduate Dean's Citation for Excellence

The Graduate Dean's Citation for Excellence is awarded each semester to students nominated by faculty members in recognition of superior achievement in their graduate studies. Each school/department may recommend graduate students completing their programs during the fall or spring term provided they meet these minimum criteria:

- A cumulative graduate grade point average of at least 3.75.
- Documented evidence of superior accomplishment while a graduate student at UNC.

Students graduating in the summer may be nominated in either the spring or fall term of the year they graduate.

The nomination is to be supported by:

- Written recommendations from graduate faculty of the academic program outlining the student's accomplishments and/or,
- Special recognition by an agency or organization (outside UNC) for scholarly accomplishment, academic achievement or contributions to society and a student resume or vita.

Awardees are reviewed by the Executive Committee of the Graduate Council or their designee. Recommendations for awards are forwarded to the Graduate Dean for final selection. The total number of awards will not exceed 3 percent of the graduating class.

Graduate Dean's Citation for Outstanding Thesis, Doctoral Scholarly Project and Dissertation

The Graduate Dean's Citation for Outstanding Thesis, Doctoral Scholarly Project and Dissertation may have six awards each semester with two in each category. Faculty members nominate a thesis, doctoral scholarly project or dissertation by submitting a letter of nomination that specifies contributions of the study to the discipline.

GENERAL INFORMATION

Application Process

Application Process for Master's, Specialist, Doctoral or License/Endorsements, Certificate

- Prospective students should consult the graduate school website for specific admission requirements.
- Applicants for Graduate School at UNC can only have one active application on file.
- The application requires the applicant's electronic signature. The electronic signature consists of your name, typed by you on your keyboard. The signature is your confirmation that the application you have filled out is your own work, that the information contained in your application is true, correct, and complete to the best of your knowledge, information and belief, that you understand and agree to provide the information (including supplemental information) requested in the application, consent to the investigation and submission of information described in the application, and that you have given permission for the University of Northern Colorado to send you information that may be of interest to you about educational and other student programs at the University. Once you type in your name, this will constitute your electronic signature. Knowingly making false statements on an application to which you have affixed your signature is grounds for the immediate cancellation of your application and could include more severe consequences should the situation merit.

US Citizens, Permanent Resident or DREAMer Undocumented/DACA

Applicants must take the following steps to be considered for admissions:

- Complete the online application and pay the non-refundable application fee.
- Request one official transcript from any regionally accredited college or university where a bachelor's degree or higher was earned or is in progress (if you have earned multiple degrees, bachelor's level or higher, an official transcript is required from each college or university where a degree was conferred). If you are unsure if your school is regionally accredited, please contact Graduate Admissions to confirm. If you received a degree from UNC, you do not need to request a transcript from UNC. Graduate Admissions reserves the right to request that applicants provide official transcripts from other colleges or universities as needed. Applicants who have earned or are directly

pursuing a higher degree from an accredited institution without receiving a bachelor's degree (i.e., PharmD, Doctor of Chiropractic, D.C.) may be eligible to apply to the Graduate School without the conferral of a bachelor's degree.

- If an applicant intends to use Veteran's Education Benefits, an official transcript from all colleges or universities attended will be required in order to maintain compliance with Veteran's Affairs policies.
- Official transcripts from U.S. institutions should be sent via mail directly from the educational institution in an unopened, sealed envelope or through an electronically secure digital program from the issuing institution.

Mailed transcripts should be sent to:

University of Northern Colorado
Office of Admissions
Campus Box 10
501 20th Street
Greeley, CO 80639

- Electronic transcripts from U.S. institutions should be sent directly from the educational institution to: grad.applicationmaterials@unco.edu or, alternatively, grad.application@unco.edu.
- Graduate Admissions does not accept email, scanned, or PDF transcripts directly from applicants. All official transcripts, submitted as part of the application process, are retained by UNC and not returned to applicants or admitted students.
- Programs may require supplemental admission items such as letters of recommendations, or GRE scores; please visit www.unco.edu/graduate-school/degrees-and-programs/ for specific program requirements. If you have questions or need assistance with documents or your application, please contact Graduate Admissions at grad.admissions@unco.edu.
- Applicants with a GPA below 3.00 may be considered for admission. If someone is recommended for admission who does not meet the Graduate School standard, a rationale must be provided by the program stating the factors which were considered in recommending the student: GPA in the discipline, maturity, letters of recommendation, work samples, GRE scores or other compelling factors, and a list of measurable academic and professional/behavioral requirements the student must attain in the first calendar year of program enrollment or within a shorter timeframe specified by the program.

- UNC retains submitted transcripts, from institutions other than UNC, for admitted students for up to five years after graduation or date of last attendance at UNC. Transcripts provided by applicants who were not admitted, denied admission or did not complete their application are destroyed after one (1) year. If a student reapplies, Graduate Admissions will make every attempt to use previously-submitted transcripts if they are within these time frames. However, if Graduate Admissions cannot locate previously submitted transcripts, the transcripts fall outside the time frames listed above, or they are considered illegible, applicants must provide new transcripts.
- If an applicant's transcripts come from outside of the United States of America, the applicant would be required to provide proof of English Proficiency following the guidelines outlined below:

To submit proof of English proficiency, please submit one of the following documents:

A. Your English Proficiency Standard will be marked "met" if you meet one of the following. Please send an email to International@unco.edu if you believe this applies to you:

- You have taken four years of college Preparatory English and graduated from a high school with a 2.5+ GPA in a qualifying English Exemption region or any US Accredited School.
- You have earned a B or better in College English Composition 1 and 2 and earned 24 or more credit hours towards a degree at an institution in a qualifying region.
- You have completed the full IB diploma program with English HL of 5 or higher.
- You have an Associate's degree with a 2.5+ GPA from a U.S. accredited post-secondary college.
- You have a Bachelor's Degree from a US accredited University. - You have a Conferred Master's Degree from an accredited U.S. University.

B. English Proficiency Tests: You may schedule yourself for a test of English proficiency. You will need to submit those scores to us showing you meet the minimum requirements as listed below. You can email your results page to International@unco.edu as a PDF attachment. If your test scores meet the minimum, no further action is needed on your part if you are admitted to UNC.

Michigan English Test Minimum Scores:

Graduate , Overall score: 64 , Listening: 64 Reading: 64 Speaking: 64 Writing: 64

Cambridge English: B2 First Test Minimum Scores:

Graduate , Overall score: 176 , Reading: 169 Use of English: 162 Writing: 169 Listening: 169 Speaking: 169

TOEFL Graduate , IBT 80 , Reading: 16 Listening: 16 Speaking: 20 Writing: 22

IELTS Graduate , Overall: 6.5 , No score lower than 6 English3 Proficiency Test

Graduate , ESPT 67 , With no scores lower than 16.5

NECO or WASSCE (Country specific) B3 or higher in English Language

C. You can apply for and attend UNC's Intensive English Program.

- If you do not meet minimum test scores or have the qualifications as listed in #1 above, you can still be provisionally admitted to the University but will need to attend our Intensive English Program. You must apply for that program separately at the time you are applying for your degree program. Here is more information on that program: Intensive English Program - University of Northern Colorado (unco.edu). Please navigate to that page and click on "apply now" if you are interested in this option.

Items that are NOT accepted to waive the English Proficiency Requirement:

- Duolingo certificates
- Letters of English Instruction from previous institutions
- Transcripts of English Certificates or Programs from other universities

Master's, License/Endorsements, Certificate Admission

The application processes listed above must be followed to apply for admission to the Master's, License/Endorsements, or Certificate programs.

Specialist Admission

In addition to the application processes listed above, each applicant for the specialist degree must have an adequate academic background in the proposed area of specialization as defined by the program. Some specialist programs require a master's degree from a regionally accredited college or university for admission.

Doctoral Admission

In addition to the requirements above, each applicant for the doctoral degree must:

- Possess a baccalaureate degree and/or master's degree, depending on the program, from a regionally accredited college or university.
- Request three letters of recommendation, confirming that the applicant has the ability to do doctoral work in the proposed discipline(s).

- GPA of at least 3.0 on a 4.0 scale on their master's degree or baccalaureate degree depending on the program.
- GRE scores are not generally required for admission to the Graduate School. However, individual programs may require GRE scores. Contact the program of interest to ascertain whether GRE scores are required for admission.

If required, submit GRE scores electronically through Educational Testing Service (ETS). The testing date must be less than five years from the date the application is submitted. UNC's institutional code is 4074. Please note, UNC does not accept GRE Subject Test Scores.

Doctoral programs at UNC do not utilize quantitative rating systems and standard criteria weightings as sole determining factors for decisions concerning the acceptance of doctoral applicants. Quantitative information such as GPA or GRE scores is considered in combination with qualitative information derived from letters of recommendation, applicant goal statements, as well as past academic and professional accomplishments. Because of the specialized nature of doctoral work, it is incumbent on the faculty to utilize their professional judgment in determining to what extent a student is qualified for entry into a particular program. The information requested by each school or department upon which their decision is to be based, gives the faculty the opportunity to thoroughly and carefully evaluate the strengths and potential of each applicant.

Graduate International Admission and English Proficiency

An international applicant is a person who is not a citizen of the United States or classified by the United States Immigration and Immigration Service (USCIS) as a Legal Permanent Resident (Green Card holder). Please contact International Admissions at (970) 351-3095 for assistance or visit the International Admissions website at www.unco.edu/international-admissions.

Applicants must possess a baccalaureate degree or its equivalent from a regionally accredited college or university, or equivalent to a U.S. baccalaureate degree from a recognized institution and have a grade point average of 3.00 or better (4.00 point scale) from the most recent degree earned or current degree in progress. If a master's degree is in progress, a minimum of 18 credit hours must be completed for the GPA of the master's degree to be used, otherwise the GPA from the bachelor's degree will be used.

All applications must be submitted 90 calendar days before the semester start date. Supporting materials and related credentials must be received by the International Admissions no later than 60 calendar days before the

semester that the student wishes to enroll (see www.unco.edu/international-admissions for deadlines). International applicants must complete the following steps to be considered for admission:

1. Complete the Application for Admission online.
2. Pay the non-refundable application fee.
3. Submit official transcripts, mark sheets, diplomas, graduation and degree certificates in a sealed envelope for each college or university attended. If they are not in English, submit a certified literal and complete English translation of each document. Official US transcripts can either be mailed directly from the Registrar's office in a sealed envelope or submitted electronically through a secure digital program.
4. Supplemental materials may be required by some graduate programs. Check with the program area for further requirements. GRE scores must be sent from ETS directly to UNC (UNC School code is 4074). The score must be no more than five years old. Your program may also require letters of recommendation, statements of goals, resume, audition, interviews or other materials; please check with the program for further information. If you wish to make changes to the documents after you have submitted your application, please contact grad.admissions@unco.edu.
5. Photo quality copies of the bio page of your passport and your student visa (if you have one).

Once an applicant is admitted they will be required to submit financial documents verifying funding to support the cost of attending UNC for one academic year (see www.unco.edu/international-admissions for estimated cost and acceptable documentation) and they will be instructed to create a shipping label for their admission packet (including the admission letter and immigration documents).

Office of Admissions
Campus Commons
501 20th Street
Campus Box 10
Greeley, CO 80639

English Proficiency

If an applicant's transcripts come from outside of the United States of America, the applicant would be required to provide proof of English Proficiency following the guidelines outlined below:

To submit proof of English proficiency, please submit one of the following documents:

Your English Proficiency Standard will be marked "met" if you meet one of the following. Please send an email to International@unco.edu if you believe this applies to you:

- You have taken four years of college Preparatory English and graduated from a high school with a 2.5+ GPA in a qualifying English Exemption region or any US Accredited School.
- You have earned a B or better in College English Composition 1 and 2 and earned 24 or more credit hours towards a degree at an institution in a qualifying region.
- You have completed the full IB diploma program with English HL of 5 or higher.
- You have an Associate's degree with a 2.5+ GPA from a U.S. accredited post-secondary college.
- You have a Bachelor's Degree from a US accredited University.
- You have a Master's Degree from an accredited U.S. University.

English Proficiency Tests: You may schedule yourself for a test of English proficiency. You will need to submit those scores to us showing you meet the minimum requirements as listed below. You can email your results page to International@unco.edu as a PDF attachment. If your test scores meet the minimum, no further action is needed on your part if you are admitted to UNC.

- Michigan English Test

Minimum Scores:

Graduate, Overall score: 64, Listening: 64 Reading: 64 Speaking: 64 Writing: 64

- Cambridge English: B2 First Test

Minimum Scores:

Graduate, Overall score: 176, Reading: 169 Use of English: 162 Writing: 169 Listening: 169 Speaking: 169

- TOEFL

Graduate, IBT 80, Reading: 16 Listening: 16 Speaking: 20 Writing: 22

- IELTS

Graduate, Overall: 6.5, No score lower than 6

- English3 Proficiency Test

Graduate, ESPT 67, With no scores lower than 16.5

- NECO or WASSCE (Country specific)

B3 or higher in English Language

You can apply for and attend UNC's Intensive English Program. Please note that the program has a separate application and fee. See information at:

<https://www.unco.edu/global/services-programs/intensive-english-program/>

Items that are NOT accepted to waive the English Proficiency Requirement:

- Duolingo certificates
- Letters of English Instruction from previous institutions
- Transcripts of English Certificates or Programs from other universities

Admissions

Admissions to the UNC Graduate School is a two-step process; individuals are recommended by a program to the Graduate School and then admitted by the Graduate School to the University.

Official Admission

Official admission is extended to all applicants who meet all Graduate School requirements and are recommended by the program for admission. Some applicants may be admitted to programs with a stipulation that they meet additional requirements in order to remain enrolled. The Graduate School describes these additional requirements as:

Denied Admission

Denied admission refers to applicants who do not meet the Graduate School, program admission requirements, or both. Students denied admission must reapply to be considered again for the same program or a different program. There are no appeals of denied admission. Denied admissions are final.

Document Requirements

Applicants may be admitted pending submissions of required documents specified by the Graduate School (i.e., transcripts showing degree conferred) before the end of their first semester of graduate coursework. No student will be permitted to register for an additional semester, receive financial aid or take the comprehensive examination or its equivalent unless the specified requirement(s) is met. Failure to meet the condition(s) within the specified time frame will result in the closure of the student's program by the Graduate School.

Applicants admitted based on the requirement to complete a degree in progress must still provide an official transcript within the first semester of enrollment at UNC showing their degree conferred and a GPA of at least 3.0. If the transcript showing degree conferred reports a cumulative GPA less than 3.0, applicants will be given additional academic requirements, defined by the program, which must be met within one calendar year, to remain enrolled at UNC.

Program Requirements

When a program recommends an applicant for admission who does not meet UNC's Graduate School standards, the program faculty must provide specific requirements in writing to the Graduate School. These requirements include a list of measurable academic and professional/behavioral requirements the student must attain in the timeframe specified by the program, but not to exceed the first calendar year of enrollment in order to remain in the program. All recommendations for admission for applicants with a GPA below the 3.00 must be reviewed and approved by the Graduate Dean or their designee. In addition, the program recommending admission for such students may also be expected to submit a letter of justification, which is a rationale detailing the factor(s) considered in recommending the student, such as GPA in the discipline, maturity, letters of recommendation, applicant work samples, GRE scores or other compelling factors.

If the Graduate School officially admits an applicant who does not meet the minimum academic standards for admission, the admitted student must complete measurable requirements stipulated by the program and approved by the Graduate School. The program must specify a timeframe for the student to complete the requirements, not to exceed one calendar year (e.g., the first semester of enrollment). The successful completion of these requirements is monitored by the program faculty, who report attainment/non-attainment to the Graduate School. Students are not permitted to register for an additional semester, receive financial aid or take the comprehensive examination or its equivalent unless the specified provisions(s) is/are met in the timeframe determined by the program. If program faculty need to change the additional requirements, they must submit a petition for exception to policy to the Graduate School.

Failure to complete the requirements within the specified time frame will result in the termination of the student's program by the Graduate School.

Post-Admissions Changes

Program Changes

Changing Academic Programs, or Adding/Removing a certificate, license, endorsement, or second program

Currently enrolled students may request to change their program from one graduate program to another, or from one concentration to another, with the approval of both departments and final approval by the Graduate School. Students should utilize the "Graduate Program Change" form to facilitate this process. If the form is submitted before add/drop date, changes will take effect in the current term. If the form is submitted after drop date the changes will take effect in the next term.

The "Graduate Program Change" form can be used to change your degree level to a lower level, e.g., from doctorate to masters or masters to certificate only. If you wish to move up in degree level, you must reapply to the Graduate School. If the change is to be treated as a new program, the time limit for completion of the degree begins with the term that the request form is processed for, either the current term or the next available term. None of your previous work will be applicable to the new major. If the change is not to be treated as a new program, the time limit to complete the new program remains the date at which you initiated your original program of study.

Please note that your admission to a new degree program is contingent on the approval by the program's faculty and is not automatic. If you are denied admission into the requested program, you will remain in your current program unless you notify the Graduate School to close your file.

Change of Site

A student admitted to attend classes at a specific program site can submit a change of site request if they desire to be enrolled in classes for the same program but at a different location. Examples would include students who wish to move between Extended Campus cohorts e.g., Denver Lowry to Loveland, or a Greeley campus student who wishes to switch to the same program in an online format. Students who are considering making this change should contact the Bursar's office, Financial Aid, and the Financial Awards Specialist (regarding any previously offered assistantships or scholarships) to determine how such a change may have impact on these areas before submitting this form. The form requires the signature of the program coordinator for the old site and the program coordinator of the new site. If the form is submitted before add/drop date, changes will take effect in the current term. If submitted after the drop date, changes will take effect in the next available term.

Deferral of Admission

If a student is unable to begin classes during their admitted term, they can request to defer their start term for a period of time. Upon approval of the program, admitted students who have not yet attended classes towards their program are allowed to change their start term only ONE time by submitting the Change of Term Post Admission request form on their Admission Portal. An admitted student who has already registered for classes must be completely withdrawn from all classes prior to submitting the Deferral/Change of Term Post Admission request form.

The Deferral/Change of Term Post Admission request form must be submitted in the student's initial admission term, no later than close of business on the Friday two weeks before registration opens for the next term (calendar for opening of preregistration at

<https://www.unco.edu/registrar/registration/preregistration-schedule.aspx> . If approved by the program, the Graduate Admissions office will change the start term of admission and notify the student.

A student can only defer admission up to one year from their initial admission term. However, if the program has a specific start term (fall only, spring only or summer only), with approval of the program, applicants are allowed to defer their admission to the next term the program is offered even if that is past the one year mark. Students who are unable to enroll after the initial deferral and wish to defer a second time, must submit a request to the program coordinator in writing no later than 2 weeks before registration opens for the first deferred start term. There is no guarantee of a second deferral and students may be required to complete a new application with a new application fee. If a student has been offered funding for a prior admission term, funding is not guaranteed for a deferred admission term.

A student's file will be closed if they have not enrolled in classes during their initial term of admission or have not requested and been granted an admission deferral during their initial term of admission. In order for a student to begin classes, they will have to reapply and be admitted to the program. Readmission is not guaranteed upon reapplication to the program.

Master's Degree, Specific Requirements

Master's degrees (M.A., M.A.T., M.B.A., M.B.S., M.M., M.P.H., M.S., P.S.M.) are awarded for a level of academic accomplishment substantially beyond that required for the baccalaureate degree. Programs consist of a coherent pattern of courses, seminars, and supervised learning experiences that culminate in a comprehensive examination and, in some cases, a thesis. Master's programs require a minimum of 30 semester hours beyond the baccalaureate degree plus additional time in preparation for comprehensive examinations or thesis writing.

Master's Degree Program Admission

Each applicant to a master's degree program must:

1. Possess a baccalaureate degree from a regionally accredited college or university.
2. Have a grade point average of 3.00 or better, on a 4.00 point scale, from the most recent degree earned or current degree in progress. If a master's degree is in progress, a minimum of 18 credit hours must be completed for the GPA of the master's degree to be used, otherwise the GPA from the bachelor's degree will be used. Applicants admitted based on the requirement to complete a degree in progress must still provide an official transcript within the first semester of enrollment at UNC showing their degree conferred and

a GPA of at least 3.0. If the transcript showing degree conferred reports a cumulative GPA less than 3.0, requirements defined by the program will be added to the student's admission, just as they are for any admit with a GPA below 3.0.

Master's degree applicants must take the following steps to be considered for admissions:

1. Complete the online applications and pay the non-refundable application fee.
2. Request one official transcript from any accredited college or university where a bachelor's degree or higher was earned or is in progress (if you have earned multiple degrees, bachelor's level or higher, an official transcript is required from each college or university where a degree was conferred). If you received a degree from UNC, you do not need to request a transcript from UNC. The Graduate School International Admissions Office reserves the right to request that applicants provide official transcripts from other colleges or universities as needed. Applicants who have earned or are directly pursuing a higher degree from an accredited institution without receiving a bachelor's degree (e.g., PharmD, Doctor of Chiropractic D.C.) may be eligible to apply to the Graduate School without the conferral of a bachelor's degree. If an applicant intends to use Veteran's Education Benefits, an official transcript from all colleges or universities attended will be required in order to maintain compliance with Veteran's Affairs policies.

Official transcripts from U.S. institutions should be sent via mail directly from the educational institution in an unopened, sealed envelope or through an electronically secure digital program from the issuing institution.

Mailed transcripts should be sent to:
Office of Admissions
Campus Box 10
501 20th Street
Greeley, CO 80639

Electronic transcripts from U.S. institutions should be sent directly from the educational institution to:
grad.applicationmaterials@unco.edu.

The Graduate School and International Admissions does not accept email, scanned, or PDF transcripts directly from applicants. All official transcripts, submitted as part of the application process, are retained by UNC and not returned to applicants or admitted students.

Double Major

Only one degree will be awarded (e.g., M.A., M.A.T., M.B.A., M.B.S., M.M., M.P.H., M.S., P.S.M.) and reflected on the transcript, but both majors will be noted. The student must specify, prior to graduation, which degree is to be used for degree granting purposes. Students pursuing double majors must meet all requirements and must apply for, take, and pass the comprehensive examination or approved equivalent in each major. No degree will be awarded until all requirements for both majors are complete. Students seeking a double major must have a demonstrated GPA of 3.0 or above to be considered for a double major course of study. Additionally, after comprehensive exams have been successfully completed for either major, students will be unable to drop a double major course of study and grades for all courses will taken into account.

If a student is interested in obtaining two master's degrees, they must complete the first degree program before applying to the other. Students may be advised by the program or Graduate Dean that it is to their advantage to seek a higher degree (specialist or doctorate) upon completion of a master's degree rather than obtaining two master's degrees. Additional consultation from the student's program advisor or the Graduate School regarding a decision to declare a double major or to seek two master's degrees is strongly recommended.

Accelerated Masters or 4 + 1 Degree Program

All 4+1 programs require students to submit an application for admission to the accelerated master's program when they have:

- junior or senior standing,
- 3.0 cumulative undergraduate GPA and,
- have been officially accepted into a UNC graduate program for a term after their bachelor's degree has been awarded.

Upon admission to the graduate program, the undergraduate student works with a graduate advisor to identify up to nine (9) credit hours at the 500 level in the graduate program to which the student was admitted. The student must:

- Complete and submit the Petition to Count Work Toward the Next Higher Degree form to the Graduate School prior to completion of the undergraduate degree. No exceptions or appeals.
- Students must satisfy all requirements for both degrees.
- The 500-level courses, designated for shared credit (UG and Grad) within accelerated master's degree, apply only to the accelerated master's degree, do not automatically transfer to another UNC graduate degree,

and are approved for internal transfer by Graduate School.

- The aforementioned Petition confirms the nine (9) 500 level graduate credits count towards the student's undergraduate and master's degree.
- No more than 9 credits may be completed while the student is an undergraduate,
- The credits identified on the Petition are at undergraduate tuition rates. Graduate tuition rates apply to the remaining program credits.
- Students are eligible for graduate scholarships or assistantships and may enroll in 600 level courses once they hold graduate student status.

Specialist Degrees, Specific Requirements

Specialist in Education degrees (Ed.S.) are awarded for concentrated study and investigation beyond the master's degree. Programs are designed on an individual basis and are sharply focused on a particular academic goal.

A student entering a specialist degree program who possesses a master's degree must earn a minimum of 30 semester hours of graduate credit. A student entering a specialist degree program who possesses only a baccalaureate degree must earn a minimum of 60 semester hours of graduate credit. Schools or programs may have requirements that exceed the minimum standards established by the university.

Specialist Admission

Specialist degree program applicants must possess a baccalaureate degree from a regionally accredited college or university and have a grade point average of 3.00 or better, on a 4.00 point scale, from the most recent degree earned or current degree in progress. If a master's degree is in progress, a minimum of 18 credit hours must be completed for the GPA of the master's degree to be used, otherwise the GPA from the bachelor's degree will be used. Applicants admitted based on the requirement to complete a degree in progress must still provide an official transcript within the first semester of enrollment at UNC showing their degree conferred and a GPA of at least 3.0. If the transcript showing degree conferred reports a cumulative GPA less than 3.0, requirements defined by the program will be added to the student's admission, just as they are for any admit with a GPA below 3.0.

Specialist degree applicants must take the following steps to be considered for admissions:

1. Complete the online applications and pay the non-refundable application fee.

2. Request one official transcript from any accredited college or university where a bachelor's degree or higher was earned or is in progress (if you have earned multiple degrees, bachelor's level or higher, an official transcript is required from each college or university where a degree was conferred). If you received a degree from UNC, you do not need to request a transcript from UNC. The Graduate School & International Admissions Office reserves the right to request that applicants provide official transcripts from other colleges or universities as needed. Applicants who have earned or are directly pursuing a higher degree from an accredited institution without receiving a bachelor's degree (e.g., PharmD) may be eligible to apply to the Graduate School without the conferral of a bachelor's degree. If an applicant intends to use Veteran's Education Benefits, an official transcript from all colleges or universities attended will be required in order to maintain compliance with Veteran's Affairs policies.
3. Official transcripts from U.S. institutions should be sent via mail directly from the educational institution in an unopened, sealed envelope or through an electronically secure digital program from the issuing institution.

Mailed transcripts should be sent to:
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grad.applicationmaterials@unco.edu.

The Graduate School and International Admissions does not accept email, scanned, or PDF transcripts directly from applicants. All official transcripts, submitted as part of the application process, are retained by UNC and not returned to applicants or admitted students.

4. Your program may require other items such as letters of recommendations, GRE scores. Please check www.unco.edu/graduate-school/degrees-and-programs/ for specific program requirements.

Doctoral Degrees, Specific Requirements

Doctor of Audiology (Au.D.) degrees are awarded for completion of the professional practitioner program designed for entry level activity as an audiologist. Audiologists are professional practitioners responsible for

the prevention, diagnosis, treatment and management of hearing disorders in children and adults.

Doctor of Arts (D.A.) degrees are awarded for completion of content-oriented programs to prepare the candidate for a career in college or university teaching. The student is expected to specialize in a specific field of study but is not expected to specialize in a single facet of the chosen field. General components of the program include coursework in the major area, supervised practica in college teaching, and individual studies in effective teaching. Students are offered considerable flexibility in program development. While the degree is not research-oriented, the recipient will demonstrate research competence by preparing a dissertation designed to support college/university teaching. A wide range of topics is permitted for this document, and the study may develop a presentation that is unique to the discipline.

Doctor of Education (Ed.D.) degrees are awarded for completion of professional or practitioner programs designed to prepare candidates for positions of leadership in all fields including elementary and secondary education, higher education, business, industry, government, and the military. These doctoral programs prepare graduates for service in instructional, supervisory, and administrative capacities.

Doctor of Philosophy (Ph.D.) degrees are awarded for completion of the research degree granted to students who demonstrate 1) mastery of definite fields of knowledge to the extent they are familiar both with what has been done in their specific field and with the potentialities and opportunities for further advances, 2) a scholarly investigation or creative work in their specific field, and 3) the ability to integrate their specific field or specialization with the larger domains of knowledge and understanding.

Doctor of Nursing Practice (D.N.P.) degrees are awarded for completion of the expert clinicians programs designed to prepare candidates for advanced practice roles in healthcare. This doctoral program prepares graduates for practice in virtually any area within the healthcare industry. These highly skilled practitioners will be the leaders in healthcare delivery and care management.

Post-Doctoral Programs of research and advanced study are available in selected areas to persons holding the Doctor of Arts, Doctor of Education, or Doctor of Philosophy degree. Work at the post-doctoral level may be taken in areas such as educational leadership and policy studies, educational technology, educational psychology, counseling psychology, elementary education, special education, applied statistics, and other disciplines.

The specific research project or program of study is planned by the post-doctoral student in conference with a faculty committee appointed to advise the student throughout the program and to assess the student's progress at the end of the program.

Doctoral Admission

Each applicant for the doctoral degree must:

- Possess a baccalaureate degree and/or master's degree, depending on the program, from a regionally accredited college or university,
- Submit three letters of recommendation confirming that the applicant has the ability to do doctoral work in the proposed discipline(s),
- Have at least the minimum level of academic achievement of a 3.0 GPA (programs may require a higher GPA).
- GRE scores are not a Graduate School application requirement. Specific programs may require GRE scores. Please check the program page for more information. If a student is applying to a doctoral program that requires the GRE, then the student must submit GRE scores electronically through Educational Testing Service (ETS) so that testing date is less than five years from the date the application is submitted. UNC's institutional code is 4074.

Doctoral applicants meet the Graduate School minimum criteria for admission if they have a grade point average of 3.00 or better, on a 4.00 point scale, from the most recent degree earned or current degree in progress. If a master's degree is in progress, a minimum of 18 credit hours must be completed for the GPA of the master's degree to be used, otherwise the GPA from the bachelor's degree will be used. Applicants admitted based on the requirement to complete a degree in progress must still provide an official transcript within the first semester of enrollment at UNC showing their degree conferred and a GPA of at least 3.0. If the transcript showing degree conferred reports a cumulative GPA less than 3.0, requirements defined by the program will be added to the student's admission, just as they are for any admit with a GPA below 3.0.

Doctoral degree applicants must take the following steps to be considered for admissions:

1. Complete the online applications and pay the non-refundable application fee.
2. Request one official transcript from any accredited college or university where a bachelor's degree or higher was earned or is in progress (if you have earned multiple degrees, bachelor's level or higher, an official transcript is required from each college or university where a degree was conferred). If you received a degree from UNC, you do not need to request a transcript from UNC. The Graduate School & International Admissions Office reserves the right to request that applicants provide official transcripts from other colleges or universities as needed. Applicants who have earned or are directly pursuing a higher degree from an accredited institution without receiving a bachelor's degree (i.e., PharmD) may be eligible to

apply to the Graduate School without the conferral of a bachelor's degree. If an applicant intends to use Veteran's Education Benefits, an official transcript from all colleges or universities attended will be required in order to maintain compliance with Veteran's Affairs policies.

Official transcripts from U.S. institutions should be sent via mail directly from the educational institution in an unopened, sealed envelope or through an electronically secure digital program from the issuing institution.

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grad.applicationmaterials@unco.edu.

The Graduate School and International Admissions does not accept email, scanned, or PDF transcripts directly from applicants. All official transcripts, submitted as part of the application process, are retained by UNC and not returned to applicants or admitted students.

3. Your program may require other items such as letters of recommendations, or GRE scores. Please www.unco.edu/graduate-school/degrees-and-programs/ check for specific program requirements.

The doctoral programs at UNC do not utilize quantitative rating systems and standard criteria weightings as sole determining factors for decisions concerning the acceptance of doctoral applicants. Quantitative information such as GPA or GRE scores is considered in combination with qualitative information derived from letters of recommendation, applicant goal statements, as well as past academic and professional accomplishments. Because of the specialized nature of doctoral work, it is incumbent on the faculty to utilize their professional judgment in determining to what extent a student is qualified for entry into a particular program. The information requested by each school or department upon which their decision is to be based, gives the faculty the opportunity to thoroughly and carefully evaluate the strengths and potential of each applicant.

Master's En Route to the Doctoral Degree

Students who have been admitted to a doctoral program may complete a master's degree in the same discipline enroute to completion of the doctoral degree if this option has been previously requested by the program and

approved as a program modification for this degree program through the curriculum approval process.

The student must follow a plan of study that clearly specifies core requirements and identifies elective, transfer, and double numbered course work for both the Masters and Doctoral degrees. The student's Degree Works page should display the plan of study.

As of spring semester 2024, the Graduate School will no longer accept or process a Plan of Study form separate from the student's Degree Works page. **Any changes or additions to the program course requirements or electives as published in the Graduate Catalog must be submitted to the Graduate School using the course adjustment form.**

Students should take the responsibility to make sure any deviations from the Catalog are documented on their Degree Works audit.

Graduate Certificate, Licensure and Endorsement Admission

Each applicant must:

1. Possesses a baccalaureate degree from a regionally accredited college or university
2. Have a grade point average of 3.00 or better, on a 4.00 point scale, from the most recent degree earned or current degree in progress. If a master's degree is in progress, a minimum of 18 credit hours must be completed for the GPA of the master's degree to be used, otherwise the GPA from the bachelor's degree will be used. Applicants admitted based on the requirement to complete a degree in progress must still provide an official transcript within the first semester of enrollment at UNC showing their degree conferred and a GPA of at least 3.0. If the transcript showing degree conferred reports a cumulative GPA less than 3.0, requirements defined by the program will be added to the student's admission, just as they are for any admit with a GPA below 3.0.

Applicants pursuing a graduate certificate, licensure, or endorsement must take the following steps to be considered for admission:

1. Complete the online application and pay the non-refundable application fee.
2. Request one official transcript from any accredited college or university where a bachelor's degree or higher was earned or is in progress (if you have earned multiple degrees, bachelor's level or higher, an official transcript is required from each college or university where a degree was conferred). If you received a degree from UNC, you do not need to request a transcript from UNC. The Graduate School & International Admissions Office reserves the right to

request that applicants provide official transcripts from other colleges or universities as needed. Applicants who have earned or are directly pursuing a higher degree from an accredited institution without receiving a bachelor's degree (e.g., PharmD) may be eligible to apply to the Graduate School without the conferral of a bachelor's degree. If an applicant intends to use Veteran's Education Benefits, an official transcript from all colleges or universities attended will be required in order to maintain compliance with Veteran's Affairs policies.

Official transcripts from U.S. institutions should be sent via mail directly from the educational institution in an unopened, sealed envelope or through an electronically secure digital program from the issuing institution.

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Electronic transcripts from U.S. institutions should be sent directly from the educational institution to:
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The Graduate School and International Admissions does not accept email, scanned, or PDF transcripts directly from applicants. All official transcripts, submitted as part of the application process, are retained by UNC and not returned to applicants or admitted students.

3. Your program may require other items such as letters of recommendation, GRE scores. Please check with the program.

Registration

Audit

When students audit a course, there is no need to complete assignments or exams, but students are expected to attend class. If students don't attend class they may be removed from the roster. If students successfully complete the class, they will be given a grade of "NC" (no credit). **Tuition and fees are charged for audited courses and the course is not eligible for the COF stipend.** To register to audit a course, the student must contact the Office of the Registrar to change their registration status to an audit. Students may not change the status for any course, including audit courses, after the add deadline for a given term. For visiting students, please contact the Office of the Registrar at 970-351-4UNC (4862).

If you are age 65 or older and wish to audit a course, you may do so with **no tuition charge (course fees may apply)**. Registration for an audit may occur beginning the first Monday following the last day of pre-registration for UNC students. Registration is subject to space availability. If you have any questions or need additional information, please contact the Office of the Registrar at 970-351-4UNC (4862).

Classes for Personal Interest

Non-degree seeking students must submit a non-degree seeking application online. The application can be found at www.unco.edu/registrar/non-degree/. Students cannot have been previously denied admission by the Admissions Office.

Continuous Registration for Graduate Students

All Masters, Specialist, and Doctoral students are required to register continuously from the time they first enroll in their graduate degree program until the semester or term in which they graduate. Students must be enrolled for at least 1 credit hour each academic semester (fall and spring) to be in compliance with this policy. Students not in compliance with the continuous registration policy will automatically be assessed a \$150 continuous registration fee each semester of non-enrollment. Payment of the continuous registration fee does exempt the student from financial aid obligations or the health insurance requirement.

All students must enroll in at least 1 credit hour during the semester (fall, spring or summer) they take scheduled examinations (i.e., comprehensive exams, thesis defense, dissertation/scholarly project defense). Students who have required credits remaining but are not enrolled when they take examinations will be charged the \$150 continuous registration fee. The Graduate School will not record their examination results until they are enrolled in at least 1 course credit.

Students must enroll in at least 1 course credit in the semester they intend to graduate. Students who have completed all required credits (including 699, 797, 798 and 799 credits) prior to the semester they intend to graduate will be automatically assessed the \$150 continuous registration fee.

Graduate assistants are not eligible for the \$150 continuous registration fee. Students must be enrolled in credit to hold a graduate assistantship. Students holding an academic-year graduate assistantship must enroll in a minimum of 3 credit hours (fall and spring); those holding a fiscal-year assistantship must enroll in a minimum 3 credit hours (fall, spring and summer) to be in compliance with the terms of their assistantship agreements and this policy.

All Graduate Students

Transfer of credit from other institutions will **not** be considered in lieu of continuous registration. Nor will it be considered as continuous enrollment.

Satisfying the continuous registration requirement and maintaining status as a graduate student will allow students to utilize various University facilities or faculty time. Students should be aware that paying the \$150 continuous registration fee will not meet enrollment requirements for international students or for students receiving financial assistance (including loans, grants, and assistantships). Paying the \$150 continuous registration fee only helps students meet the Graduate School's program continuation policy if they are not otherwise enrolled for credits.

Failure to Continuously Enroll for Graduate Students

Students who fail to enroll continuously (i.e., enroll for at least 1 credit fall and spring terms) for one calendar year (three consecutive semesters, fall, spring, summer) will receive a letter of warning from the Graduate School in the third semester of non-enrollment. At the beginning of the fourth consecutive semester of non-enrollment, the student will be classified as inactive and their file will be closed. Inactive students are required to re-apply to the Graduate School, remit the application fee and be re-accepted by their program and the Graduate School if they wish to resume their studies. Acceptance is not guaranteed. Additional coursework and examinations may be required for students who are reactivated.

Note: paying the \$150 continuous registration fee does not fulfill the requirement to enroll for at least one credit within the one year time frame.

Leave of Absence (LOA) Policy

A Leave of Absence (LOA) is a temporary pause of graduate study that permits a graduate student to postpone their graduate program for a defined period of time. In the event of circumstances that interfere with continuation of a degree program, a graduate student may apply for a LOA. If approved, the LOA allows a student to stop the term clock on a degree program and then rejoin the program without reapplying to the university. A student may be granted a LOA for a minimum of one semester and up to one calendar year for reasons, including but not limited to, medical, family, financial, and work. A student may request a LOA a maximum of two times during their graduate program, and the total time of all approved LOAs may not exceed two (2) calendar years.

A graduate student who wishes to request a LOA shall initiate a conversation with their academic and/or research advisor to discuss how the LOA impacts their ability to complete the program (e.g., consequences of being out of sync with graduate cohort; missing required courses taught during their absence; loss of research resources; restricted access to laboratories or campus resources; and loss of

assistantship or scholarship funding). If a student decides to request a LOA, they shall complete the electronic LOA Request Form, and affirm their understanding of the potential implications the LOA may have on their program completion. The student shall obtain approval(s) relevant to their program:

- Academic and/or research advisor
- Graduate program coordinator, department chair or school director
- Office of Global Engagement (if the student indicates status as an international student)
- Graduate School Assistantships and Scholarships Specialist (if the student indicates holding a graduate/teaching assistantship, Graduate Dean's Scholarship, or other university scholarship award)
- Director of the Office of Sponsored Programs (if the student indicates any funding, including an assistantship, paid through a research grant)
- Graduate Dean (or designee)

Students receiving financial aid are strongly encouraged to consult with the Office of Financial Aid to learn about possible implications of non-enrollment.

After verifying that the student is in good academic standing, and terminating any scholarships or assistantships awarded through the Graduate School for the time of the LOA, the Graduate School shall forward the completed form to the Registrar's Office.

An official LOA begins only after the student receives a copy of the request form with the Graduate Dean's (or designee's) signature confirming final approval.

Application for a LOA must be received by the Graduate School before the last day of classes in the semester for which the LOA is requested. A LOA shall not be granted retroactively after the end of the semester.

An approved LOA stands in lieu of registering for the minimum of one (1) credit hour. It is also in lieu of paying the Continuous Registration fee.

A student on a LOA cannot:

- receive a graduate assistantship, fellowship, scholarship, or financial aid from the university;
- be employed as an hourly student worker;
- enroll in student health insurance;
- enroll in UNC courses;
- take comprehensive exams;
- convene a dissertation or thesis proposal hearing;
- convene a dissertation, thesis, or scholarly project defense; and/or

- graduate.

A student receiving funding or financial aid of any kind should be aware of consequences that non-enrollment may have on aid or loans. For a student receiving federal financial assistance, the U.S. Department of Education regulations require the University to report the student as non-enrolled when they take a LOA for one (1) semester or more. The "withdrawn" or "non-enrolled" status may trigger the beginning of the Federal Stafford Loan grace period and/or the starting of repayment of the Federal Supplemental Loan for Students. Upon returning to UNC, if a loan is requested, new loan applications must be submitted and an in-school deferment form must be filed.

For an international student, a LOA approved by the university does not mean that the student is in compliance with visa and immigration regulations. The student should consult with CIE for more information.

Student Instructions

- Confer with your academic and/or research advisor and relevant offices (e.g., Financial Aid, Graduate School, CIE) regarding the impact of a LOA on your financial, academic, and work-related circumstances.
- Confer with your academic and/or research advisor, or the department chair/ school director about any changes that may affect your program.
- Confer with the Graduate School on the resources that will be available to the student during a LOA.
- If after the above review and consultation, you choose to request a LOA: Complete and sign the electronic LOA Request Form.

Administrative Actions

- Once the LOA Request Form has been submitted by the student, it is sent to the graduate program advisor and department chair/school director for their signatures.
- The Form then goes to the appropriate unit(s) for signature(s) as indicated by the student's responses (CIE, Financial Aid, Graduate School, etc.).

If the request is approved, a registration hold is placed on the student's account. The student is not able to register for courses during the LOA period. A reinstatement form must be processed before the registration hold is removed.

Important Notes

- **When to submit the request:** The student should initiate the LOA form as early as possible when dealing with a potential interruption of graduate study. The form must be received before the last day of classes in the semester for which the LOA is requested. **A leave of absence shall not be granted retroactively after the end of the semester.**

- **Cancelling registrations before the drop deadline:** An approved LOA does NOT automatically cancel any current course registration/enrollment. If the student is enrolled for the term(s) included in the approved LOA, they can cancel their registration(s) by the drop deadline and no tuition will be charged.
- **Cancelling registrations after the drop deadline:** If a student asks for an approved LOA after the drop deadline, they must withdraw from any registered courses; otherwise, grades will be posted for those courses. The student will need to file a tuition appeal to petition for elimination of tuition charges. Failure to do so will result in tuition charges for which the student is responsible. See the Registrar's website for relevant deadlines: www.unco.edu/registrar/registration/add-drop-withdrawal.aspx
- **Financial support:** If a student receives financial aid and/or scholarships from the University, they should contact the office from which support was given (department, graduate assistantship, Financial Aid, faculty member, ORSP managing grant funding, etc.) to determine if a LOA affects the status of the funding.
- **External financial support (from private funding sources):** If a student receives funding from a source outside the University, they should contact the source to determine if a LOA affects the status of the funding.
- **International student:** The student must contact CIE to determine if the LOA affects their visa or immigration status.
- **Dual program student:** If a student is enrolled in a dual program, they must request a LOA from each program, and prior to their return, must request reinstatement from each program/department/school.
- **Reinstatement after LOA:** If a student obtains an approved LOA, they are eligible for reinstatement provided that they:
 - discuss reinstatement and progress in their degree program with their, academic and/or research advisor, or department chair/school director;
 - apply for reinstatement by completing the Reinstatement Application Form;
 - apply for reinstatement to the same major and degree; and
 - do not request to be reinstated in the same semester covered by the approved LOA.
- **Missed reinstatement deadline:** If a student does not apply for reinstatement by their LOA end date, then:
 - the student will be notified by the Graduate School that their LOA has ended;
 - the student will be charged the Continuous Registration fee each semester for up to three semesters (including summer) of non-enrollment;
 - the student's term clock will restart; and
 - after three (3) semesters of non-enrollment, the student's program becomes inactive and the student must reapply for admission to the degree program.
- **LOA limitations:** A student may apply for the LOA twice during the same degree program. The total time of all approved LOAs may not exceed two academic years.
- **Notification:** The student, and all who signed the LOA Request Form, are notified of the final decision by email.
- **Registration hold:** A registration hold is placed on the student's account for the approved LOA period. The student may not register for courses until they have applied, and been approved for, reinstatement.

Directed Study and Non-Scheduled Courses

Directed Study Course

Directed Study courses are available in most disciplines. These are identified within this publication by course number 622. The Directed Study course provides a vehicle to allow a qualified student to receive University credit for an individualized investigation under the direct supervision of a UNC faculty member. For more information, refer to the UNC Catalog or contact the Office of the Registrar, (970) 351-4862.

Because Directed Study courses with the number 622 are at the graduate level, the faculty member providing the supervision must be approved to teach graduate-level courses. No faculty member will be authorized to supervise a Directed Study during a semester that they are not actually employed on-campus at UNC.

The investigation must be on a specific topic that is not duplicated by an existing course within the University's curriculum. The nature of the study must involve intensive use of relevant literature, materials, or techniques, and the study report must reflect a synthesis of the information or techniques acquired. The following policies apply for registration in Directed Study courses:

1. An individual Directed Study course may be for no more than 4 semester hours of credit per academic semester. Students enrolled in more than one Directed Study course may take no more than six credits in any semester. A study may be further limited to the maximum number of credits listed in this catalog.
2. The student should apply through the program in which they are doing the study.

3. Permission to engage in a Directed Study for credit must be approved by the faculty member supervising the study, and the school director/department chair of the major program. The Directed Study form must be submitted to the Office of the Registrar at the time of enrollment. A rationale for course credit form should be completed and filed in the academic program office. Forms are available only through the school/department in which the study is supervised.
4. A maximum of nine semester hours, individually or in combination, of courses numbered 508, 513 or 622 may be counted toward a graduate degree.

Separate policies exist for distribution of critiqued and graded copies of a completed Directed Study, based on whether the study was completed at the graduate or undergraduate level. A student should consult with either the Graduate School or the dean of the college in which the Directed Study is to be undertaken for the appropriate policy.

Students receiving graduate credit for a 622-numbered course must submit two copies of a final report to the supervising faculty member. While the final report may be in the nature of a scholarly research paper, it may also take the form of a report or a summary of activities undertaken. The format and writing style of the final report must be in keeping with the style manual used by the discipline concerned. It is the student's responsibility to acquire the appropriate style manual for reference. The faculty member must submit one copy of the final report to the appropriate office with the final grade assignment.

Non-Scheduled Courses

Courses that were approved through the institutional curriculum approval process and reside in the academic catalog may be offered as non-scheduled courses.

Non-scheduled courses are offered in one of the following situations, either the course is not being offered during a particular term and the student needs the course to graduate or the course is offered at a time the student cannot attend and the student needs the course to graduate.

Permission to register for a non-scheduled course(s) must be approved by the faculty member and the school director/department chair of the major program. A Non-Scheduled Course form for each course must be submitted to the Office of the Registrar by the appropriate semester add deadlines.

Instructional Methods

The University of Northern Colorado delivers courses through various instructional methods as prescribed by the Department of Education. The following list provides a description of the delivery methods of course offerings at UNC:

1. **Face to Face:** Students meet with the instructor at regularly scheduled times (synchronous learning), primarily in a classroom. Students in face-to-face courses will normally be expected to be physically present for all or part of the term/semester (will have classroom and day/times) Instructors and students are in same physical space for greater than 75% of contact hours
2. **Mixed Face to Face:** A course where a portion of traditional face-to-face instruction is replaced with web-based online learning (e.g., video lectures, online discussions, or activities). The amount of face-to-face instruction that is replaced by online coursework in these classes varies greatly by institution, class, discipline, and learning objectives. Instructors and students are in same physical space between 25 and 75% of contact hours.
3. **Online Synchronous:** Education delivered exclusively via the internet to students who are separated from the instructor or instructors but meet at regularly scheduled times to support regular and substantive interaction between the students and the instructor or instructors. No classroom is required.
4. **Online Asynchronous:** Education delivered exclusively via the internet to students who are separated from the instructor or instructors. Regular and substantive interaction between students and the instructor or instructors is required, but students are not required to be online at a regularly scheduled time.
5. **Individualized Instruction:** An individualized investigation under the direct supervision of a current UNC Faculty member.
6. **Internship/Practica/Clinical:** Students engage in practical or experiential hands-on learning as the primary component of the course.

Registration Appeals

You may find yourself in need of filing a registration appeal in the following cases:

- You need to drop or withdraw from a course after the deadline.
- You're requesting an adjustment to the tuition and fees charged to you despite your withdrawal from a course.

Appeal Process and Submission

- Complete the Registration Appeal form and submit all required documentation. Failure to submit documentation may result in your appeal being denied. The documentation should include the description of the circumstances and reasons for the appeal.
- Attachment of documentation is required for form submission. If you are only submitting a personal

statement, type in the *Personal Statement* section type "See Attached" and attach your personal statement (Word or PDF).

- If you received financial aid, indicate that on the appeal form so it is routed to financial aid for approval.
- Submit the form. Since the form is an electronic form, you will receive notification that the form has been submitted to the Office of the Registrar. Once a decision has been made, you will receive an email letting you know that decision.

Course Drop/Withdrawal Appeal During Current Semester

The course drop and withdrawal deadlines are strictly enforced. Any request for an exception to these deadlines must be submitted using the Registration Appeal Form. This appeal applies only to current semester registrations and must be filed in the Office of the Registrar prior to the end of the current semester.

- Course drop/withdrawal appeals will only be considered when there were extenuating circumstances beyond the student's control that kept the student from adhering to the normal deadlines. These extenuating circumstances could include medical conditions, death or illness in the family, unanticipated financial problems or University errors.
- Factors not accepted for a course drop/withdrawal appeal include, but are not limited to, such things as poor academic performance in a class, time management related situations or lack of adherence to/awareness of University policy and deadlines.
- If the student received financial aid, the student must indicate so on the form in order to have the appeal form routed to Financial Aid prior to submitting to the Office of the Registrar. Please visit www.unco.edu/financial-aid/applying-for-aid/current-student.aspx for more information.
- Submission of the student's request does not guarantee any type of refund.
- All petitions must be in writing and signed by the student, legal guardian, power of attorney, or executor (in case of death). Documentation may be required if the petition is from someone other than the student.
- The student should include a written statement describing the circumstances and reasons for the appeal and any required documentation.

Non-Attendee Retroactive Withdrawal Appeal

A non-attendee retroactive withdrawal appeal is permitted if the student registered for courses at UNC, never attended the institution, and did not notify the institution to be removed from courses.

The Registrar will determine, in consultation with faculty members, the Dean of Students and others as appropriate, if the retroactive withdrawal should be granted. If the student's appeal is submitted more than 90 days after the end of the course(s), University Leadership approval will be required in addition to the Registrar.

If granted, the courses will remain on the student's transcript with a grade of "UW", which does not impact the student's GPA, and tuition and fees will be adjusted if applicable. Certain charges related to the student's registration such as student insurance, fines, permits and/or emergency cash advances will be charged at 100%.

If the appeal is denied, the student will be charged 100% of tuition and fees, as well as certain charges related to the student's registration such as student insurance, fines, permits, and/or emergency cash advances.

All petitions must be in writing and signed by the student, legal guardian, power of attorney, or executor (in case of death). Documentation may be required if the petition is from someone other than the student.

The student should include a written statement describing the circumstances and reasons for the appeal and any required documentation.

Retroactive Withdrawal Appeal

A retroactive withdrawal appeal may be necessary when a student experienced extenuating circumstances, or an incident of such trauma and major proportions, that a student could not have reasonably been expected to possess the normal capabilities necessary to complete the academic period satisfactorily or complete a University withdrawal.

If granted, the courses will remain on the student's transcript with a grade of "W", which does not impact the student's GPA, and tuition and fees will be adjusted if applicable. Certain charges related to the student's registration such as student insurance, fines, permits and/or emergency cash advances will be charged at 100%.

If the appeal is denied, the student will be charged 100% of tuition and fees, as well as certain charges related to the student's registration such as student insurance, fines, permits, and/or emergency cash advances.

Factors not accepted for a retroactive withdrawal appeal could include, but are not limited to, such things as poor academic performance in a class, time management related situations, or lack of adherence to/awareness of University policy or deadlines. Partial course withdrawals will not be considered, only complete schedule withdrawals.

The Registrar will determine, in consultation with faculty members, the Dean of Students and others as appropriate, if the retroactive withdrawal should be granted. If an appeal is submitted more than 90 days after the end of the

course(s), University Leadership approval will be required in addition to the Registrar.

All petitions must be in writing and signed by the student, legal guardian, power of attorney, or executor (in case of death). Documentation may be required if the petition is from someone other than the student.

A student should include a written statement describing the circumstances and reasons for the appeal and any required documentation.

Tuition Appeal

A tuition appeal is necessary when a student is requesting an adjustment to the tuition and fees that were charged as a result of a complete University withdrawal.

- Tuition appeals will only be considered when there were extenuating circumstances that were beyond the student's control that necessitated a University withdrawal. These circumstances could include medical conditions, death or illness in the family, unanticipated financial problems, or university errors.
- Factors not accepted for a tuition appeal include, but are not limited to, such things as poor academic performance in a class, time management related situations, or lack of adherence to/awareness of University policy or deadlines.
- All petitions must be in writing and signed by the student, legal guardian, power of attorney, or executor (in case of death). Documentation may be required if the petition is from someone other than the student.
- The student should include a written statement describing the circumstances and reasons for the appeal and any required documentation.
- Upon receipt of the tuition appeal, an appeals committee will convene to determine whether or not to approve the request. A member of the appeals committee will contact the student via the student's BearMail with the decision. The committee's decision is final.

Registration Procedures

A student must be registered to attend class. The Schedule of Classes can be found by accessing Ursa "Look Up Classes" or www.unco.edu/sched.

Registration is continuous. Current students are assigned times during the last part of the academic semester when they may register for courses offered in the following semester Registration consists of the following processes:

- Check Registration Status on the Student Tab/Registration Tools in Ursa
- Payment of student account

Returning UNC Students

Students who have not attended UNC within the last 12 months will need to update their student information before they can register. Returning students must submit a Returning Student Application.

www.unco.edu/registrar/alumni-former-students/return-to-unc.aspx

Schedule Changes (Adds/Drops)

Course Add

Schedule changes may be handled through Web Registration at www.unco.edu/registrar/registration/ or at the Office of the Registrar.

Course add, drop and withdrawal deadlines are based upon the respective course part-of-term. Students may add courses using Ursa through the 5th day of the semester for full semester courses. After the 5th day of the semester all adds require the signature of the instructor and must be processed at the Office of the Registrar on or before the drop deadline to be considered. For short and special part-of-terms courses, please refer to the Special Term/Short Course Report for deadlines.

- Days 6-10: Students may access the Course Late Add (Day 6-10) form on the Office of the Registrar website and email it to registrar@unco.edu or submit it to the Office of the Registrar. The add request form will only be available on the Office of the Registrar website during days 6-10. The request form may only be used for full semester courses.
- Only in unusual circumstances can a student add a course(s) after the respective add deadline. Students must complete a Petition to Late Add a Course form and either fax or submit it to the Office of the Registrar.

A course late add will only be approved with evidence of extenuating circumstances beyond the student's control that kept the student from adhering to the published deadline. Student lack of knowledge of the published deadlines does not warrant a petition.

To submit a petition:

- A student must have been academically engaged in the course on or before the drop deadline for the petition to be considered.
- The petition must include a written statement describing the circumstances that kept the student from adding the course prior to the deadline. A petition submitted without a reason will be denied.
- All required signatures must be obtained.

Students receiving financial aid are responsible for contacting the Office of Financial Aid to understand how this will affect their award amount.

In order to use the COF stipend, students must be registered for a course before the course census date (add deadline). There may, however, be legitimate administrative reasons that may allow COF eligibility. UNC will adhere to the Colorado Department of Higher Education College Opportunity Fund guidelines.

Course Drop

Students may drop courses using Ursa through the 10th day of the semester for full semester courses. Tuition and fees are adjusted if applicable. Course add, drop and withdrawal deadlines are based upon the respective course part-of-term. For short and special part-of-terms courses, please refer to the Special Term/Short Course Report for deadlines or on the Student Tab in Ursa by clicking on the “Your Course Drop/Withdrawal Deadlines” link.

The number of credits for which a student is registered at the time of the add/drop deadline determines tuition and fee charges. Drops differ from withdrawals since drops are not recorded on the student's transcript and withdrawals are recorded on the transcript (see Withdrawal from Course(s)).

Summer Account Balances

Students who do not pay past due summer balances will be dropped from the subsequent Fall semester course schedule. Students will be notified via BearMail when courses will be dropped. If a student's courses are dropped and the past due summer balance is subsequently paid, the student is responsible for registering for courses that were dropped on a space available basis.

Two-Class-Hour Drop Option

A faculty member may drop a student from a class during the drop period if the student has not attended the first two-50 minute sessions. The student must notify the instructor if they cannot attend during this time. Not all instructors will exercise this option; thus, a student cannot expect that the failure to attend the class will automatically cause them to be dropped. Consequently, the student must follow the procedures listed on the Office of the Registrar website: www.unco.edu/registrar/.

UNC and AIMS Community College Cooperative Registration Agreement

Graduate or undergraduate students enrolled full-time at UNC or Aims Community College are eligible to take one undergraduate class (maximum 5 credits) at the other school during the corresponding term without additional tuition charges. Interim Winter Session is not included.

The free course at the host school must not be offered at your home school during that same term you are taking the class.

Please refer to the Transferology Site to determine which courses will transfer between Aims and UNC. Remember:

- Students must meet prerequisite requirements and must pay any course fees other than tuition.
- Continuing Education courses do not count in the 12 credit full-time requirement.
- Continuing Education courses cannot be taken as the free class.
- Aims students register for UNC courses through their URSA portal. Students will be allowed to register the Monday following the last day of pre-registration for UNC students. A UNC/Aims Cooperative Agreement needs to be completed and submitted to the Office of the Registrar to notify the office of the intent to participate in the agreement.
- UNC students register for Aims course via normal procedures outlined in the Aims Schedule of Classes; however, in place of payment, the UNC student completes a certifying form at the Aims Cashier's Office.
- At the end of the term, students found to be ineligible will be billed for and must pay tuition charges to the host school.
- Once the course has been completed, please have an official transcript sent to your home institution in order to receive transfer credit.

Unclassified Graduate and Visiting Students

Graduate students admitted to another university may take classes at UNC to transfer back to their respective home institution. Unclassified graduate status refers to a student who has at least a Bachelor's degree and has either applied to the Graduate School or wanting to take classes but not pursue a degree. To register for either status, students must submit a non-degree seeking application online. The application can be found at www.unco.edu/registrar/non-degree/

Withdrawal from Program

A student who has been admitted to a Graduate program and decides not to attend or who attends and decides to leave the program must:

- Notify the Graduate School in writing in order to have their file closed.
- Notify the Office of the Registrar to initiate the withdrawal process and drop any registration for subsequent semesters.

Student Resources

Financial Aid

The Office of Financial Aid (OFA) administers and distributes aid in the form of grants, scholarships, employment and loans to help students (families) meet college costs (tuition, fees, books, room, board and transportation). For more information, visit the financial aid office web page at www.unco.edu/financial-aid/. The OFA administers federal, state, institutional and private sources of aid.

Applying for Financial Aid:

Most UNC financial aid at the graduate level consists of Federal loans, institutional Graduate Assistants, Teaching Assistants, Graduate Research Assistants with limited scholarships and state graduate grant funding. To qualify for Federal loans, students should complete the FAFSA form online at <https://studentaid.gov/h/apply-for-aid/afsa>. With completion of the FAFSA, the university will consider a student to have applied for all federal and state aid programs. The FAFSA should be completed by June 1 priority deadline each year to maximize the amount of aid a student can receive. UNC scholarships can require both need and merit evaluation (see Apply for Scholarships for information on applying). FAFSA or UNC Scholarship applications processed after June 1 are considered late, and the applicant will have limited funding opportunities.

Apply for Scholarships:

Students must be admitted to UNC and complete the UNC Scholarship Application by June 1 to be considered for most scholarships. Even though eligibility for some UNC scholarships is based on information obtained from the admission application, students are strongly encouraged to complete the UNC Scholarship Application each year before the June 1 deadline. The application can be filled out online through Ursa. A listing of all scholarships available through UNC is located at www.unco.edu/financial-aid/.

Comprehensive lists of local and national scholarships are available through web searches. Students are encouraged to use a free and reputable search site for scholarship listings on the internet. Research your choices and use caution. Contact the financial aid office if you have concerns.

Scholarship funds do not have to be repaid and are awarded on the basis of academics, talent and/or performance. Other criteria often exist for an individual scholarship and are set by the donor.

Offer:

Financial aid is offered based on need and may include an offer of grants, scholarships, employment and loans. Most financial aid is available in limited amounts to help students finance school expenses. However, while college

costs continue to rise, federal and state aid does not rise at the same rate. Consequently, families must increasingly rely upon their own funds to pay for school. Students are expected to arrive on campus with funding for books, tuition, fees, housing, and utility deposits as well as other expenses associated with the beginning of the year. Financial aid funds are usually available at the beginning of each semester to use as a credit toward charges on the student's bill. A refund will be deposited in the student's banking account if the aid exceeds all institutional charges. Financial aid is typically offered for an academic year (fall/spring).

A FAFSA is required for each academic year. The student's academic progress, as well as financial need, determine the continuance of funding.

Grant Funds:

Grant funds are awarded based on financial need. The core grant fund available at UNC is the Colorado Graduate Grant. This grant is funded by the Colorado General Assembly. Eligibility for this grant is based upon Colorado residency and demonstrated need (FAFSA) for specific programs. Program eligibility is determined by the State of Colorado. Grant funds do not require repayment unless a student fails to complete the term of enrollment.

Graduate Assistants, Teaching Assistants, Graduate Research Assistants:

Graduate assistantships are available through individual academic and administrative departments after a student has been admitted to a graduate degree program at UNC. Awards are comprised of a monthly stipend and/or a tuition waiver, based proportionally in exchange for a work assignment. These tax qualifying awards are disseminated according to individual program budgets. For more information, students should contact their program.

Graduate Assistantship Policies:

Graduate teaching assistants may not provide instruction to other graduate students without the faculty member of record present. Students appointed as graduate part-time instructors may teach undergraduate students as instructors of record. Students holding graduate teaching assistant appointments may teach undergraduates under faculty supervision, support faculty in undergraduate instruction and grading, and support graduate faculty in graduate classes. Graduate students classified as GTA, Graduate Part-time Instructor (GPI) and Graduate Assistant (GA) must attend the mandatory Graduate Teaching and Graduate Assistant Conference each fall or forfeit a portion of the stipend.

All GTAs new to UNC should attend the New Graduate Student Orientation scheduled prior to the start of classes unless they are in an exclusively online program. Online students have the option of attending the in-person orientation on campus in the fall semester or attending the

online orientation offered before the start of each semester (fall, spring, summer). All new students are encouraged to review the New Graduate Student Interactive Orientation: <https://indd.adobe.com/view/31d49483-34d0-4608-9741-5eed05c0a12>.

Students' tuition and partial fee waivers are posted to billing accounts at the beginning of each term after the add/drop deadlines. Students who add or drop credits after the initial posting of the assistantship waivers will see an adjustment to their account after add/drop (e.g., additional charges when credits exceed those covered by the agreement; refunds when previous credits are reduced if such credits were covered by the agreement).

Students on academic year (AY) agreements (mid-August to mid-May or 34 weeks) typically work 17 weeks in each of the fall and spring terms. The student must report no later than the week prior to the start of the term (fall and spring). Students confirm the start date with the department/unit. Students on AY agreements work during non-university holidays (Presidents', Columbus and Veterans days). With a fiscal year (FY) agreement (July 1–June 30), the student's schedule follows the UNC calendar, including working during spring, fall and winter breaks. Students on AY and FY agreements are permitted one week of vacation, usually taken during winter break or spring break, or, for FY contracts, during the summer. This should be negotiated with the supervisor. With the consent of their supervisors, students working over winter break or spring break may work on campus or from home.

Terms and Conditions of the Assistantship Agreement:

Tuition and partial fee waivers associated with a graduate assistantship are considered student financial resources, and an adjustment may be necessary in other financial aid received from the university through the Office of Financial Aid, the Graduate School, or your program (i.e., total loan amount offered may be reduced).

Stipend is deemed taxable compensation. Any tuition remission shall be in the form of financial aid, provided independently of the stipend as qualified tuition reduction given for educational purposes, and shall not be deemed taxable compensation pursuant to section 117 of the Internal Revenue Code of 1986. You can view your tuition information at www.unco.edu/acctservices/bursar/eBills/.

The student agrees to not accept any additional offers for the academic year covered by the agreement such as:

- Assistantships from any other graduate programs or administrative units unless the director/chair/supervisor of the initial appointing unit is notified of such an offer and the student has received a written release from the director/chair/supervisor.
- If a student is permitted to accept a second assistantship appointment, the combination of the two appointments must not exceed a total of 20 hours per week.

- A student holding a full-time graduate assistantship in any form may not engage in other positions for stipend at the university. A student holding a half-time graduate assistantship in any form may secure other positions for salary at the university not to exceed a total of 30 hours (combined salary/wage work and assistantship position).

The assistantship is conditional upon:

- Admission to the Graduate School and a graduate degree program at UNC.
- Maintenance of good academic standing at UNC (at least a **3.0 cumulative grade point average**) each semester. The student may not be on academic probation and must attend class on a regular basis throughout the semester. Should a student's GPA fall below the 3.0 standard at the close of the term, the assistantship for the following semester will be reassigned to another student to allow the former graduate assistant to improve their GPA.
- Continuous enrollment in credits related to the degree program — between 3 and 10 graduate credit hours during each fall and spring semester — while the agreement is in effect.
- Fiscal year agreements pay up to 6 credit hours in the summer term. **Students must be registered on the first day of classes, or their stipend and tuition will not pay until they are registered.** Exceptions to this requirement must be approved in writing by the college dean or assistant vice president of the appointing unit and the dean of the Graduate School.
- Students who enroll in only dissertation credits (799) will be allowed to hold an assistantship for a maximum of two consecutive semesters provided that they enroll in a minimum of 6 credit hours of 799 each semester. Students are ineligible for any assistantship when they have three consecutive semesters in which they have enrolled only in dissertation credits.
- Student completion of all duties assigned by the appointing unit(s) in a satisfactory manner and within compliance of the UNC Code of Conduct.

The stipend is not a scholarship award, but rather compensation for the performance of services. Failure to perform the assigned services, withdrawal from the university, failure to attend and engage with enrolled courses, violations of department/school/university policy, and failure to meet the above described conditions may be grounds for termination of the agreement, which shall terminate the stipend payable under the agreement. Such termination also shall result in forfeiture of further tuition remission, and may result in repayment requirements, as noted in the university policy on withdrawal/cancellation of charges. If payments of stipend or tuition are accepted

after the date of termination, the student is responsible for repayment.

Students holding assistantships must review the Handbook for Graduate Assistants and Graduate Teaching Assistants.

Student Employment:

UNC offers several employment opportunities for graduate students. Federal work study programs can provide on- and off-campus jobs to graduate students demonstrating financial need. Students must contact the Office of Student Employment to evaluate consideration for this type of assistance. Students who do not qualify for work study programs can find part-time hourly positions both at the University and off campus. Aid received as part of a work program does not need to be repaid.

Educational Loans:

UNC participates in the following programs: Federal Direct Unsubsidized Stafford Loans and Federal Direct Graduate PLUS Loans. Eligibility for all loans is determined by completion of the FAFSA. Federal Unsubsidized Stafford and PLUS loans are not based on need. PLUS loans require approved credit by the U.S. Department of Education. Loan funds plus applicable interest must be repaid, usually after graduation. Each loan should be evaluated carefully and the terms and conditions regarding interest and repayment understood. Some loans have cancellation and deferment provisions. After being offered a loan, a student must accept the loan on Ursa. Students will need to complete a master promissory note and entrance counseling on the Federal Direct Loan website.

Satisfactory Academic Progress Standards:

Under federal regulations, The Office of Financial Aid is responsible for establishing and monitoring minimum acceptable progress for the continuation of financial aid. The standard of satisfactory progress must include a student's total academic history at UNC plus transfer credits. To be eligible to receive financial aid, the student must be making satisfactory progress toward a degree program, regardless of whether they have previously received financial assistance. For a more detailed explanation of these policies, the Satisfactory Academic Progress Policy is available on the OFA website.

Refund and Repayment:

Tuition adjustments resulting from a complete withdrawal (official or unofficial) from the university may affect the financial aid the student receives. Any student withdrawing from the university who has received aid for that semester may be required to repay the financial aid. For a more detailed explanation of these policies, refer to the "Return of Title IV Refund Policy" at www.unco.edu/financial-aid/. Credit balances generally are returned to financial aid accounts. Students can refer to

www.unco.edu/acctservices/bursar/accrec.htm for more explanation.

Rates

All rates quoted in this Catalog are approved by the Board of Trustees and are subject to change.

Updated information about tuition and fees will be available from Accounts Receivable after June 30 of each year.

**For current tuition and pricing, visit www.unco.edu/costs.*

Undergraduate Student Definitions

A student is considered to pay undergraduate tuition rates if they have not previously earned a baccalaureate degree.

Student Fees

General University, student and health service fees are committed to support essential student activities and programs, the health service record requirements and the Student Representative Council. Every student must pay these fees each semester, whether or not they make use of the privileges and activities underwritten by the fees.

For current tuition and pricing, visit www.unco.edu/costs.

Other Fees

In addition to general tuition and fees, and room and board rates for students who choose to purchase those services, a number of other fees have been established by the Board of Trustees. Such fees assessed for employment opportunity assistance services, transcripts, etc., refer to www.unco.edu/costs. for more information.

Payment

By applying for admission, registering for classes or allowing charges to be added to their account, the student represents to UNC that they have the intention and ability to pay and they promise to pay for all charges placed on their account as well as any service charges or collection fees, if any, that may be due.

The University of Northern Colorado uses a secure electronic billing (e-billing) system. The student will receive notification of an available electronic bill (e-bill) via an e-mail sent to their university-assigned e-mail (BearMail) address. E-bill notifications will be sent only to the student unless the student has added an authorized user to their student account and the authorized user has submitted a valid e-mail address for receipt of e-bill notifications. Payment is due on or before the **Payment Due Date** shown on the electronic bill. Failure by a student or an authorized user to check e-bill availability will not constitute valid grounds for waiving late-payment penalties or registration, grade, diploma or transcript holds.

Payments from Financial Aid will be automatically posted to the student's UNC bill. Any excess funds will be deposited to the student's checking account or a check will be generated and mailed to the student's address in URSA.

A service charge of 1.5% of the unpaid balance will be added to the student's account if payment is not received in the Cashier's Office by the due date. Service charges are figured on the student's account by applying the service charge rate to the previous balance owed at the billing date minus any credits made to the account during the previous billing cycle. The annual percentage rate (APR) that corresponds to this service charge is 18%.

The University will accept payment on the student's account by cash, check, money order, bank wire, Visa, MasterCard, Discover, American Express, direct payment through financial aid and through the Credit Available for Student Employees at UNC (CASE-UNC). To learn more about the CASE-UNC plan please contact the Office of Student Employment in Carter Hall. Check or cash payments are accepted in person at the Cashier's Office in the Campus Commons. Payments can also be made with MasterCard, Visa, Discover, American Express, check (ACH), or bank wire through the Web. Credit card payments will be charged a 2.95% convenience fee. This fee goes to our bank processor and not to UNC. Visit our website: www.unco.edu/bursar.

The University of Northern Colorado will not register a student, release a diploma, provide a transcript, or supply employment opportunity assistance and other University services to any student or former student who has an outstanding financial obligation to the University other than a loan that is not yet due or on which payments are up-to-date. Per Colorado State Law HB 22-1049, students with a balance may request a transcript/diploma. UNC transcripts are ordered via our online service. Also, failure to pay a financial obligation to the University when it is due may result in the student's account being placed with a collection agency and such action reported to a credit bureau. In addition, the student's account may be charged legally allowable collection fees and attorney fees needed to collect or enforce the student's indebtedness.

Registration Cancellation. The last day to drop all advance registered classes, without being assessed a fee, is the last day of the drop period (www.unco.edu/registrar for more information). When applicable, the student will also pay the new enrollment fee and housing deposit.

Fees for Course Withdrawals. The last date to withdraw from individual courses is the Friday prior to Final Exam week for full semester courses. The respective full semester course withdrawal deadline is published on the Office of the Registrar website at www.unco.edu/registrar/calendars. Special/short-semester course withdrawal deadlines are published on the Office of the Registrar website.

Changes in tuition, fees, and other charges can occur during the Add and Drop periods if the individual credit hours change. After the Drop deadline, no changes in tuition and fees will occur.

Students who choose to withdraw from all of their courses must do so by the respective withdrawal date(s) published on the Office of the Registrar website.

NOTE: *100% of non-refundable fees will be assessed. These fees include graduation, health insurance, housing damages, ID card replacement, lab equipment not returned, lost athletic equipment, lost library books and fines, parking fines, returned check service charges, unpaid cash advances, etc. Some federally funded aid programs mandate a different withdrawal computation.*

All amounts owed to the University are due and payable as of the date of the withdrawal. Only charges for room and board may be pro-rated based on the date of the withdrawal.

If a more complete explanation of the above policies is required or if individual circumstances warrant review, the student should contact the Bursar's Office.

Tuition and Fees: Non-Resident, Resident

Tuition and Fees are calculated on the total cumulative hours that a student is enrolled in each academic term.

Graduate students may estimate the cost of their degree at <https://apps.unco.edu/tuitioncalc/>

Students auditing a course (taking it for no credit) are required to pay the same tuition and fees required when the course is taken for credit.

Tuition and fees for classes taken through Extended Studies may differ from on-campus charges and are subject to the Colorado Commission on Higher Education Extended Studies policies.

**For current tuition and pricing, visit www.unco.edu/costs.*

Tuition Classification: Out-of-State and In-State

Students who are classified as in-state are permitted to enroll at the University at a significantly lower tuition rate because the University is assisted by the taxpayers of Colorado in addition to the student tuition and fees. The determination of a student's tuition status is provided for under State Law Title 23, Article 7, Colorado Revised Statutes 1997 Repl. Vol., 1994 Supplement.

A person who has been domiciled in Colorado for one year or more immediately preceding the start of an academic term may be eligible for in-state tuition classification. A domicile is a person's true, fixed and permanent home and place of habitation. It is the place where the student intends to remain and where they expect to return to when they leave, without intending to establish a new domicile

elsewhere. It differs from the notion of residence or mere physical presence within the state. A person may have several places of residence, but may have only one true domicile at a given time.

A person is capable to begin establishment of a Colorado domicile if they are 22 years of age, married or if they have been emancipated. Evidence of emancipation includes the person's ability to meet all financial obligations including the cost of education, along with an affidavit from the student's parents stating their relinquishment of any claim or right to the care, custody and earnings of the minor. The qualified individual must be 23 years of age by the first day of the semester in which claiming in-state resident classification.

Evidence that a Colorado domicile has been established includes the observance of all mandatory duties imposed on domiciliaries. State requirements concerning auto registration, driver's license and payment of state income tax must be met for the full one-year period.

A student's tuition classification is determined at the time of admission. If at a later date, the student believes the classification is no longer correct, they must petition for a change in tuition classification by the published deadlines.

Petitions can be submitted to the Tuition Classification Officer in the Office of the Registrar no later than two weeks prior to the first day of classes for the given term that the student desires a change in classification. Under exceptional circumstances, petitions may be accepted up to the 1st day of the semester. Tuition classification changes cannot be applied retroactively to previous term(s).

Any student who is denied in-state classification after petitioning may appeal that decision in writing to the Tuition Classification Appeals Committee. The appeal must be submitted to the Tuition Classification Officer no later than 10 days after the denial has been sent to the student. The decision rendered by the Tuition Classification Appeals Committee is the final University determination.

Petitioning for in-state tuition classification requires the student to complete a detailed form available in the Office of the Registrar (Bear Central) or online at www.unco.edu/registrar/residency/residency-process.aspx. This form and other relevant information will be reviewed and a decision rendered in accordance with the state law and authorized procedures.

Western Regional Graduate Program (WRGP)

The Western Interstate Commission for Higher Education (WICHE) is a group of 16 member states and territories that work collaboratively to expand educational access and excellence for all citizens of the West. The Western Regional Graduate Program is comprised of fourteen western States: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, North

Dakota, Oregon, South Dakota, Utah, Washington and Wyoming, also the Pacific Islands U.S. Territories of American Samoa, Northern Marianas, Guam, Marshall Islands, and the Federated States of Micronesia and Palau, who have identified specific graduate programs across the west to which residents may attend at resident tuition rates. If you have been a resident of one of the states listed above, and the program you wish to attend is a part of WGRP, you are eligible to participate. For more information, please go to the Graduate School Website www.unco.edu/grad/funding/wrgp.html.

Office of Academic Community Engagement

Website: www.unco.edu/academic-community-engagement/

University of Northern Colorado encourages community engaged teaching and learning that affords students opportunities to apply content and disciplinary knowledge outside the classroom, thus enhancing their learning experience while also impacting our communities. Courses that include community engaged learning (CEL) opportunities are recognized with a CEL designation. Please note this is an emergent process and courses are continually being updated with this designation.

Community Engaged Learning (CEL)

Community engaged learning is defined as learning that integrates academic content into students' engagement with the community in and out of the classroom. Community refers broadly to include public, private, non-profit, educational entities, governmental agencies, businesses, and other organizations external to UNC.

Alumni Relations

The University of Northern Colorado Alumni Association serves UNC alumni and current students in building and accessing the global UNC Bear Network. Membership in the alumni association is automatic upon graduation; there are no membership fees. Current students and alumni are eligible to take advantage of all that membership has to offer including the Bear Network alumni career programs, special events, promotions and discounts exclusively available to UNC alumni. Students are encouraged to connect with the alumni association prior to graduation in order to meet alumni employers and connect with alumni working in industries and companies of interest.

Whether students plan on staying close in Colorado or venturing around the globe after graduation, the alumni association is never far away. UNC stays connected to alumni in a variety of ways, including sponsoring alumni groups and events in various cities. Visit unco.edu/alumni to learn more. Remember, Once a Bear, Always a Bear!

Bookstore & Fanshop

Website: www.unco.edu/university-center

The UNC Bookstore & Fanshop, located on the lower level of the University Center, provides to the campus community textbooks, course materials, general reading books, and a variety of technology items like headphones, laptops, tablet computers, and other related accessories. The Bookstore & Fanshop also sells a large selection of UNC emblematic clothing, greeting cards, gifts, school and art supplies, and other necessities for students. Additional services include a textbook price matching program, textbook buyback, textbook rental, special order books, and general book information.

Division of Diversity, Equity, & Inclusion

The Division of Diversity, Equity and Inclusion (1862 10th Ave) works to build an inclusive campus, which fosters and nurtures a diverse, inclusive, and equitable environment. We will accomplish this by purposeful conversations, ongoing education and training, and social engagement. In conducting these activities, we work with UNC students, faculty, staff, alumni and the greater campus community. Our program prepares students to develop the following learning outcomes: inclusive practices, coalition building, and leadership. Aligned with the institutional mission, we ensure that diverse student population voices are heard and represented, we provide an environment that is inclusive to have meaningful conversations as well as learning experiences and educate the campus on what it means to live and work with others different from themselves. We approach our work with equity-minded practices, care, inclusiveness, accessibility, service orientation, and justice.

The Division coordinates the functions of the seven Cultural and Resource Centers and the Colorado Opportunity Scholarship Initiative (COSI), all of which assist in providing quality support services to promote the retention and academic success of all students (undergraduate, transfer, non-degree, and graduate). All individuals interested in learning and growing in the spirit of inclusion and equity-minded practices are invited to use the services provided by the Cultural and Resource Centers.

Asian/Pacific American Student Services (APASS)

(Kohl House) Seeks to foster the academic, social, and cultural identity development of the Asian and Pacific Islander community and to enrich and integrate culture into the University of Northern Colorado. These services include academic coaching and leadership development for UNC's Asian and Pacific Islander students, as well as cultural and educational programs for the broader UNC community. For more information, see www.unco.edu/asian-pacific-american-student-services/.

Center for Women's and Gender Equity (CWGE)

(Scott-Willcoxon Hall) The Center for Women's and Gender Equity (CWGE) honors gender as a central identity and engages critical women's and gender issues while challenging systems of inequity and advocating for change at the University of Northern Colorado.

The CWGE accomplishes this by:

- Educating the campus community on topics and issues related to the experiences of women, trans, and non-binary students
- Providing an inclusive and validating space
- Engaging in conversations about the impacts of sexism, cissexism, and misogyny
- Empowering student voices to advocate for and create gender equity at UNC

In collaboration with other campus partners that include the university cultural and resource centers, academic departments, and other units within the Division of Diversity, Equity & Inclusion (DDEI), the CWGE builds community by supporting students in deepening their understanding of social justice and gender equity to be effective advocates for changes on their campus and in their communities.

Additionally, the CWGE provides free pregnancy tests, menstrual products, contraceptive barriers, and lactation support for students.

Engage with the CWGE by:

- Calling 970-351-1492
- Emailing cwge@unco.edu
- Visiting www.unco.edu/center-womens-and-gender-equity/
- Following us on social media: Facebook, Instagram, and Twitter

The Stryker Institute for Leadership Development is a participation-based scholarship program that serves women from under represented groups and supports scholars in their identity and leadership development.

This is accomplished by:

- Providing access to educational opportunities focused on identity development, social justice, leadership, and mentorship
- Cultivating a sense of belonging through connectedness and community
- Empowering women through encouragement and facilitation of personal growth
- Establishing a network of support through collaboration with campus and community partners

- The program prepares students to develop a leadership identity that enables them to create positive social change and advocate with purpose.

Additionally, the Stryker Institute provides Stryker Scholarship Information Sessions during their recruitment season, November through May. These sessions serve as an opportunity for students and staff to ask questions about eligibility requirements, and the program workshop experience.

Engage with the Stryker Institute by:

- Calling 970-351-1492
- Emailing stryker@unco.edu
- Visiting www.unco.edu/stryker
- Following us on social media: Facebook

César Chávez Cultural Center (CCCC) and Undocumented Student Services

The Chávez Center (Patton House, 1410 20th Street) offers a culturally validated "home like" space for all students with a focus in serving the diaspora of Latin American background students on campus. The center staff provide a space where students' ethnicity, language, and traditions are honored and respected. The staff also offers intentional culturally relevant programs that address academic success, social, cultural and intersectional aspects of identity, and opportunities for community engagement and career readiness. For more information, visit www.unco.edu/cccc.

Undocumented Student Services and the DREAMer Engagement Program are now housed within the César Chávez Cultural Center. We provide academic and economic support to students with an undocumented/DREAMer/TPS status by helping students file for in-state tuition under the ASSET legislation, hosting educational and financial workshops, community building opportunities, and scholarships on a case-by-case basis. For more information, visit www.unco.edu/equity-inclusion/dreamers.aspx

Gender and Sexuality Resource Center (GSRC)

(Bonnie House) Provides education, advocacy and support for all identities across the gender, sexuality, and romantic spectrums. Our center offers study spaces with computer access, a library of Queer book and DVD titles available for rent, in-house counseling services, an all-gender lactation room and restrooms, and two lounge areas. Beyond the ways in which the community can utilize our center and online resources, the GSRC also has many programs throughout the year dedicated to our mission of educating, advocating, and supporting the UNC community. Some of these programs include our monthly Free STI testing, identity or interest-based Affinity Groups, the GSRC mentoring program, UNC's Coming Out Week,

Speak OUT panels, and educational trainings. For more information, see www.unco.edu/gender-sexuality-resource-center/.

Marcus Garvey Cultural Center (MGCC)

(Davis House) The Marcus Garvey Cultural Center provides academic, cultural, and social support to Black, African and African-American diasporic students, as well as those who intersect the African diaspora by providing one-on-one support, as well as a range of resources offered through programs, cultural events, and strategic initiatives throughout the year. The Center's team members aim to enhance students' sense of belonging and retention. For more information, see www.unco.edu/marcus-garvey-cultural-center/ or call (970) 351-2351.

Native American Student Services (NASS)

(Kohl House) Aims to promote academic and leadership excellence of Native American students at the University of Northern Colorado. NASS seeks to enrich the UNC community through academic, social, and cultural programs that reflect the tradition, heritage, and history of Native America. To achieve these goals, we uphold the responsibility of leadership to infuse and incorporate Native ways of knowing and living within academia, through educational initiatives designed for all UNC students, faculty, and staff. For more information, see www.unco.edu/native-american-student-services/.

Veterans Services

(Roudebush Cottage) proudly serves our military affiliated community by assisting in the transition process and providing a stand-alone space with a strong inclusive community. We provide appropriate and practical resources for our students as well as a hub for the Department of Veterans Affairs personnel, SALUTE National Honor Society, the PAVE peer support program, Student Veterans of America chapter, scholarship opportunities, and assistance with GI Bill® education benefits. For more information, see www.unco.edu/veterans-services/.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at www.benefits.va.gov/gibill.

Division of Student Affairs and Enrollment Services

Mission Statement:

The Division of Student Affairs and Enrollment Services cultivates an environment that develops students' skills leading to the completion of academic goals, personal growth, and preparation for responsible citizenship.

Vision:

The Division of Student Affairs and Enrollment Services will provide a transformative student experience that positively impacts student access, academic success, persistence, and graduation.

Values:

The Division of Student Affairs and Enrollment Services is committed to creating a Community of Bears where students are empowered to develop as leaders, embrace social equity, and become life-long contributors in an increasingly diverse society. This is accomplished through the division's core values:

- **Student Success:** *Creating transformative learning environments for students and those who serve them*
- **Excellence, Collegiality, and Professionalism:** *Modeling professionalism through collaborative, ethical leadership, integrity, credibility, respect, consistency, customer service, and effectiveness*
- **Commitment to Diversity, Inclusion, and Global Understanding:** *Standing for a sense of community where all individuals are valued*
- **Assessment and Accountability:** *Continually evaluating and improving practices, to hold professionals accountable through the collection and use of assessment evidence*

Division contact information: 970-351-2790 or saes@unco.edu

Division website address: www.unco.edu/student-affairs-enrollment-services/

Department of Enrollment Services**Mission Statement:**

Enrollment Services is committed to supporting all students academically, socially, and financially, from recruitment through graduation. Our team will be responsive and personable to our students and campus community, educating and guiding each individual towards their academic and personal success.

We contribute to the mission of the University of Northern Colorado by being a student-centered department, focused on honesty, trust, fairness, respect, and responsibility.

Vision:

We will be a department that is dedicated to providing equitable access to education, where all students are able to achieve their goals, transforming their lives and communities we serve.

Values:

- **Diversity, Equity, & Inclusion:** *Establishing best practices and ongoing training that address*

inequalities, create supportive environments, and embraces diversity in all forms.

- **Service:** *Providing the highest level of customer service to students and the campus community centered on personable and timely communication, a knowledgeable staff, and collaboration across all campus partners.*
- **Leadership:** *We will be leaders in Enrollment Services in advancing new and innovative practices, policies, and technologies.*
- **Integrity:** *Engaging with students, the campus partners, and the communities we serve with transparent, honest, and thoughtful communication, policies, and actions.*

Department of Enrollment Services contact information: 970-351-4862 or bursar@unco.edu, ofa@unco.edu, registrar@unco.edu

Department of Enrollment Services website: www.unco.edu/campus-commons/bear-central/, Admissions website: www.unco.edu/admissions/

Bear Central**Our Mission**

Bear Central supports all UNC students in achieving their educational goals and enhances the student experience by delivering centralized, efficient and accurate integrated business services in a welcoming environment.

Bear Central strives to maximize the student experience in the following areas: financial aid (Office of Financial Aid), student accounts (Bursar) and registration & records (Registrar); connecting students with the appropriate tools and information for success.

Office of the Bursar

Website Address: www.unco.edu/bursar/

The Office of the Bursar (Accounts Receivable, Loans Receivable, Collections and the Cashier's Office) prepares student billings; disburses financial aid; collects tuition, fees, room and board and other related charges; maintains and collects Federal Perkins Loans and handles the cashier functions for the entire University.

Office of the Registrar

The Office of the Registrar (1051 22nd Street, Campus Commons) provides assistance with class registration via Ursa (web) or in person. The Office of the Registrar processes the following: total withdrawals from all classes, personal information updates, final grade submissions and grade changes, and requests for transcripts. The Office of the Registrar is also responsible for enrollment verification

and graduation audits for undergraduate students, for more information visit www.unco.edu/registrar.

Department of Student Affairs

Mission Statement:

The Department of Student Affairs believes every student has a right to full and equal participation in the university community. We identify and collaboratively eliminate institutional barriers to success and cultivate a student-centered co-curricular experience. We intentionally educate our students on well-being, equity, career readiness, and interpersonal engagement. We seek to understand who our students are and who they want to become. We shape supportive environments for students to grow and belong as they navigate higher education and beyond.

Vision:

We will be a division that is unwavering in our creation of meaningful opportunities for student learning and development. We will be responsive to emerging student needs, while continuing to invest in staff so they can create a safe, engaged, holistically well, and innovative campus community.

Values:

- **Community:** *Developing relationships, creating a sense of belonging, and contributing to an environment where Bears are welcomed and valued*
- **Social Justice:** *Engaging across difference, challenging practices that uphold structural inequalities, and creating environments that support all Bears in achieving their goals*
- **Student-Centered:** *Making intentional decisions to meet the needs of students to be successful*
- **Accountability:** *Taking ownership, holding ourselves and each other responsible for our communication and actions, following through on our commitments, and reflecting on our impacts*
- **Integrity:** *Engaging in honest and transparent communication and actions*
- **Intentionality:** *Being proactive and deliberate, aligning our practices with expectations and resources and regularly assessing our work*

Department of Student Affairs contact information: 970-351-3609 or DSA@unco.edu

Department of Student Affairs website: www.unco.edu/student-affairs/

Center for Career Readiness

Mission Statement

In alignment with Rowing Not Drifting, the Center for Career Readiness builds bridges between students and the world of work to ensure UNC students make informed and empowered decisions regarding continued education and career. We provide a student-driven approach to career education that challenges systematic inequities, invites exploration embedded in identity and values, and fosters collaboration with employers and the campus community.

Contact Information: 970-351-2127
or career.readiness@unco.edu

Website Address: www.unco.edu/career

Counseling Center

Mission Statement:

It is the mission of the Counseling Center to provide a safe place for all students to overcome barriers to emotional, interpersonal, and academic success. The Counseling Center strives to promote healing, growth, and resiliency by decreasing stigma and through providing access to mental health services on campus and in the community. We accomplish this through direct services, training and education, collaboration with campus partners, and advocacy for all students, staff, faculty, and the community. All interactions between the Counseling Center staff and the UNC community are grounded in the values of culturally sensitive mental health support, authenticity, respect, empowerment, and services responsive to needs, trends, and political climate. We strive to provide safe spaces for those with marginalized identities.

Contact Information: 970-351-2496 or
UNCCounselingcenter@unco.edu

Website Address: www.unco.edu/counseling-center/

Assault Survivors Advocacy Program (ASAP)

Mission Statement:

ASAP's mission is to facilitate the recovery of sexual violence, intimate partner violence, and stalking survivors by creating a safe environment in which the student survivor may complete their education. This is accomplished by the provision of crisis, academic, and advocacy services to the survivor and their significant other(s).

Contact Information: 970-351-1490 or
advocacy@unco.edu

Website: Address: www.unco.edu/assault-survivors-advocacy-program/

Dean of Students Office

This office seeks to enhance and recognize student learning and personal responsibility by:

- Serving as an information and referral center for students, families and the campus community;
- Providing non-clinical case management support for students; and
- Holding students accountable for behavior that is inconsistent with the University community's expectations (as outlined in the BEAR Code).

To contact this office, call 970-351-2001, email dos@unco.edu or visit www.unco.edu/dean-of-students/.

Bear Pantry at UNC

UNC's Bear Pantry is a collaborative initiative on campus to assist students in our community who are faced with food insecurity. Bear Pantry supplements the food supply for any UNC students experiencing hunger and struggling to buy food. Bear Pantry hopes to minimize food insecurity while students work toward completing their education.

Bear Pantry Information:

University Center
970-351-3667
bear.pantry@unco.edu
www.unco.edu/bear-pantry/
Student Bill of Rights

The General Assembly implemented the Student Bill of Rights (C.R.S. 23-1-125) to assure that students enrolled in public institutions of higher education have the following rights:

1. A quality general education experience that develops competencies in reading, writing, mathematics, technology and critical thinking through an integrated arts and science experience;
2. Students should be able to complete their associate of arts and associate of science degree programs in no more than sixty credit hours or their baccalaureate programs in no more than one hundred twenty credit hours unless there are additional degree requirements recognized by the commission;
3. A student can sign a two-year or four-year graduation agreement that formalizes a plan for that student to obtain a degree in two or four years, unless there are additional degree requirements recognized by the commission;
4. Students have a right to clear and concise information concerning which courses must be completed successfully to complete their degrees;

5. Students have a right to know which courses are transferable among the state public two-year and four-year institutions of higher education;
6. Students, upon successful completion of core general education courses should have those courses satisfy the core course requirements of all Colorado public institutions of higher education;
7. Students have a right to know if courses from one or more public higher education institutions satisfy the students' graduation requirements;
8. A student's credit for the completion of the core requirements and core courses shall not expire for ten years from the date of initial enrollment and shall be transferable.

Student Conduct Code (BEAR Code)

Please see the Student Code of Conduct (Bear Code) located on the Dean of Students website: www.unco.edu/dean-of-students/.

Disability Resource Center (DRC)

Mission Statement:

The Disability Resource Center (DRC) collaborates with the University in its commitment to recognize disability as a valued aspect of diversity and to embrace access to the University of Northern Colorado community as a matter of equity and inclusion. The office provides the University with resources, education, and direct services to students to design a more welcoming and inclusive environment.

If a graduate or undergraduate student has a temporary health condition or a permanent disability that requires accommodations, they should contact the Disability Resource Center as soon as possible. The DRC facilitates the interactive process that establishes reasonable accommodations for students at UNC.

Contact Information: 970-351-2289 or DRC@unco.edu

Website Address: www.unco.edu/disability-resource-center/

Housing and Residential Education, Dining Services

Mission Statements:

Housing and Residential Education:

In alignment with Rowing Not Drifting this office's central mission is to equip students with the tools to engage in the transformative power of personal relationships and communities. We work with students, families, and our campus community to create a sense of home through intentional programming, one on one interactions, and serving as a connection point for students to campus

resources. Through a social justice lens and experiential learning, we empower students to grow, learn, lead, and achieve.

Contact Information: 970-351-2721 or housing@unco.edu

Website Address: www.unco.edu/living-on-campus/housing/

Dining Services:

Dining Services provides exceptional food and services to the UNC campus community and guests while promoting nutritional awareness, being a steward of resources and fostering culinary diversity in a welcoming and inclusive environment. As the leading employer of students, we complement academic learning by providing purposeful work experience, communication skills and leadership opportunities.

Vision:

Encourage students to lead healthy, socially engaged lives through culinary diversity and inclusive dining experiences. Credo: "We Feed the Bears!"

Values/Operating Principles:

- **Caring:** *We commit to providing a welcoming campus community environment where individuals can find a sense of belonging and where we foster respect, empathy, and support to strengthen our campus community connection.*
- **Inclusive:** *We embrace diversity in all forms of being. We value individuals and their uniqueness in our community. We recognize each individual's contribution is important to achieving our institutional goals.*
- **Civil:** *We uphold social justice and are committed to promote fairness in treatment and access while raising awareness about equity-minded practices in our community.*
- **Accessible:** *We acknowledge differences in our society and foster a learning environment through education and strategic actions. Enhance quality of campus life for all.*
- **Service-oriented:** *We seek to advance equity-minded practices and communications and be responsive in supporting our community.*

Contact Information: 970-351-2652
or diningservices@unco.edu

Website Address: www.unco.edu/living-on-campus/dining/

Office of Health Promotion

Mission Statement:

The Office of Health Promotion provides wellness education about responsible substance use, mental health resources, and comprehensive sexual health education. We hope that through health promotion and awareness, we can equip UNC students with the necessary tools to make safer decisions in an effort to create a healthy campus experience for all.

Contact Information: 970-351-2065 or
healthpromotion@unco.edu

Website Address: www.unco.edu/health-promotion/

Student Legal Services

Student Legal Services provides UNC students three free legal consultations each academic year. For more information or to schedule an appointment, visit www.unco.edu/student-life/legal-services.aspx

Office of Student Engagement

Mission Statements:

Office of Student Engagement:

The Office of Student Engagement provides programs and services that foster a sense of belonging, an inclusive campus, and opportunities for learning and growth.

Contact Information: 970-351-3609

Website Address: www.unco.edu/student-life

Fraternity and Sorority Life:

Fraternity and Sorority Life exists to foster growth and development among students while forming lifelong bonds through academic, personal, social and service-based programming.

Contact Information: 970-351-2873 or fsl@unco.edu

Website Address: www.unco.edu/fraternity-sorority/

Student Clubs and Organizations:

Student Clubs and Organizations offers involvement, community, and leadership to all UNC students through Registered Student Organizations by providing advising, event funding, and leadership opportunities to current and prospective RSO members.

Contact Information: 970-351-2906 or
studentorgs@unco.edu

Website Address: www.unco.edu/clubs-organizations/

University Program Council:

The University Program Council serves to engage, connect, and entertain the campus community through activities and events by students for students.

Contact Information: 970-351-1365 or upc@unco.edu

Website Address: www.unco.edu/university-program-council/

Student Government Association:

The Student Government Association exists to represent and serve the student body in order to enhance the university experience through the empowerment of all students.

Contact Information: 970-351-1344 or unc.sga@unco.edu

Website Address: www.unco.edu/student-government-association

Campus Recreation:

Campus Recreation is a student fee funded department that provides an inclusive environment for students to develop healthy behaviors and personal skills. We provide various active experiential learning opportunities within the department programs of Competitive Sports, Fitness & Wellness, Aquatics, Outdoor Pursuits, and Informal Recreation. Through Campus Recreation programs and employment, students will experience personal growth through critical thought and ethical principles; teamwork and civil engagement; diverse cultural perspectives; development of transferable skills; and the cultivation of healthy practices. Our values of inclusivity, collaboration, equity, diversity, well-being, and personal growth are at the core of our programming and staff development. We proudly strive to build a community and culture that is centered on these values.

Contact Information: 970-351-2062 or campus.recreation@unco.edu

Website Address: www.unco.edu/campus-recreation/

New Student Orientation and Transition Programs:

The Department of New Student Orientation and Transition Programs at the University of Northern Colorado is committed to ensuring a smooth and empowering transition for incoming students. Through comprehensive orientation initiatives and ongoing support services, we foster a sense of belonging, promote academic success, and facilitate personal growth among our diverse student body. Grounded in inclusivity, equity, and student-centeredness, our programs provide essential resources to empower students to navigate their educational journey and thrive in the university environment. By fostering connections, resilience, and a culture of engagement, we aim to enable students to realize their full potential and make positive contributions to the university community and beyond.

Contact Information: 970-351-4626 or orientation@unco.edu

Website Address: www.unco.edu/orientation

Extended Campus

Website: extended.unco.edu

The mission of Extended Campus is to provide non-traditional students access to education at the University of Northern Colorado through innovative technology, a variety of modalities, formats, and locations.

Extended Campus programs serve students throughout the entire state (and the world). We maintain two off-campus centers in Loveland and Denver to facilitate diverse learning experiences for students seeking to expand their education no matter where they live.

UNC Extended Campus students can access lifelong learning through continuing education opportunities with more than eighty academic programs. We offer degree completion bachelor's, master and doctorate degrees, certificates, licensures, endorsements, and professional development courses. These are delivered through convenient online, hybrid and face-to-face formats. Our flexible scheduling and accelerated programming are designed for adult learners, working professionals, and non-traditional students who cannot attend an on-campus offering.

Our premier degree programs offered in Teacher Education, Nursing, Dietetics, Counseling Psychology, Biological Sciences, Business, ASL Interpreting, Performing Visual Arts, Sports Exercise Science and many more, all lead to successful, rewarding careers for Extended Campus graduates.

UNC Quality Brought to You

All UNC Extended Campus courses and degrees are based on the same commitment to quality and expertise that we provide on campus. The credits and degrees you earn are the same—and carry the same academic recognition.

Whether you are looking for advanced learning in your chosen career, or you are stepping into a whole new field, Extended Campus brings UNC's quality and caring culture to you. Anywhere, anytime, UNC Extended Campus offers a unique educational experience

Information Management and Technology

Information Management & Technology provides a variety of services designed to assist students in the pursuit of their academic careers. Computer labs, open to all students, are strategically located throughout the campus. The University offers students high speed wireless internet connectivity campus wide. Students can print from personal devices or from computers in labs and classrooms and retrieve their print jobs from various Bear Print

stations located in residence halls and computer labs across campus.

For complete information about any of the services provided by Information Management & Technology or help with technical problems visit help.unco.edu or call the Technical Support Center at 970-351-4357(HELP) or 1-800-545-2331.

Office of Global Engagement

The Office of Global Engagement (OGE) provides the umbrella framework for all international activities at the University of Northern Colorado, building connections between UNC's greater community and the world. Leading the UNC's international initiatives by facilitating global partnerships, recruiting and supporting its international population, and coordinating programming that prepares students for success in today's global environment.

In addition, OGE collaborates with and supports faculty and staff in developing globally-minded programs, research and partnerships that elevate our international profile and expand the engagement of our Global Bear community by:

- Promoting a diverse and global student body by recruiting and retaining international students.
- Advocating for acceptance and inclusion of all identities and cultures via meaningful cross-cultural engagement opportunities and promoting global competencies.
- Increasing international mobility among students, faculty, and staff by facilitating and administering education abroad opportunities and programs.
- Providing academic and linguistic support for English language learners.
- Fostering sustainable and mutually beneficial partnerships worldwide.
- Promoting safe and responsible international travel for students, faculty, and staff via international risk management policies and support framework.
- Facilitating regulatory compliance related to the international activities of the institution.

For more information, see www.unco.edu/global

Education Abroad

Education Abroad Overview

Education Abroad programs include bilateral exchanges with partner institutions, direct enrollment at a university abroad, multi-lateral exchanges through approved third-party providers, and faculty led study abroad programs. Students engaging in study abroad experiences must

complete UNC's study abroad application process and receive approval from the Education Abroad office prior to travel.

Education Abroad is part of the UNC Office of Global Engagement overseeing all student-related travel for UNC academic credit and works closely with academic departments, faculty, staff, and advisors across the university to advise and support students throughout the pre-departure, travel, and during their experience abroad.

Approved programs

Education Abroad at UNC operates on an approved program portfolio model. The Education Abroad staff can provide students with information on what programs are currently approved. The Education Abroad website houses all the currently approved programs in our portfolio. Some programs have a limited number of available spaces and may not always be open for applications. Please check with the Education Abroad team for availability. Our approved program portfolio is subject to change based on current contracts and agreements. Anything outside of our approved programs will require students to go independently of UNC. Participation in non-approved study abroad programming may result in losing financial aid eligibility, transfer of credits taken abroad, and delay graduation. We are not able to advise on anything outside of our current approved program portfolio.

Eligibility

Eligibility is subject to change based on program and provider requirements, but minimum standards for study abroad applicants include:

- A cumulative 2.5 GPA and one academic year of college level courses
 - Students may be subject to additional program specific GPA requirements
 - Conduct clearance from the Dean of Students
 - Proof of language proficiency as required by the study abroad program

Nomination from UNC to a particular provider or exchange program does not guarantee admission by the provider or program.

Travel Documentation

For travel and study abroad, students must have a valid passport issued by the country of their citizenship. A student's passport should be valid for the period they are abroad and six months after the date of departure from the country in which they are studying. Many programs will require students to have their passports well in advance of departure to receive the proper visa and travel documentation, according to the legal requirements of the destination country, with which students must comply.

UNC operates a U.S. Passport Acceptance Facility on campus. All eligible individuals are invited to apply for a U.S. Passport by scheduling an appointment. UNC Education Abroad and/or the study abroad program staff will provide guidelines and requirements about the visa application process for host countries, as appropriate. However, students are solely responsible for obtaining the correct visa for their program in a timely manner. The authority to issue a visa rests solely with the consulate or embassy of the host country. UNC Education Abroad has no control or authority for visas and is not responsible for complications, delays, or denials.

Health and Safety

Detailed information about international insurance, health and safety while studying abroad is provided during mandatory pre-departure orientation.

Students who participate in our approved study abroad programs are automatically enrolled in UNC's international health insurance coverage through AIG at no additional cost. The AIG insurance covers major emergencies abroad but is not designed for routine care. Students must download the AIG app and register before going abroad. Additional insurance coverage may be required by the study abroad provider or the host country for immigration purposes. Students are required to understand and manage their health insurance requirements.

Education Abroad provides a risk management software called Alert Traveler to all students going abroad on an approved study abroad program. Students submit their travel itinerary information and activate the Alert Traveler app before departure.

Cost Structure

Every student applying to go abroad on a UNC approved study abroad program will be required to pay \$50 non-refundable application fee. Students going abroad through approved UNC study abroad providers are also subject to a separate provider application fee. Students who are accepted into a program and go abroad for Fall, Spring, and summer programs will be charged an administrative fee of \$500 per term abroad. Academic Year study abroad participants pay \$800 administrative fee for fall and spring semesters. Faculty-Led Study Abroad Program costs differ by program.

UNC offers a range of programs that are set up to meet different needs, and each program has specific costs and billing structures. Programs may be billed through the following methods: direct UNC billing, study abroad provider billing, the host university billing, host country billing, or any combination of these. Details are provided for each program, and students are responsible for understanding their program costs and billing structure.

Students are responsible for any personal expenses associated with the study abroad program including, but not limited to passport fees, visa application fees, flights, transportation.

Coursework Abroad and Transfer Credits

Students must be enrolled full-time, a minimum of 12 credit hours, every term while studying abroad. Students must consult their academic advisor and check the Academic Requirements section in Degree Works to determine what courses taken abroad meet degree requirements.

Once a program is selected and before departure, students must complete and submit a form to the Office of the Registrar listing desired classes to enroll in abroad. This form contains information about the classes the student intends to complete while abroad. The Office of the Registrar will review the course information and provide feedback about how classes will apply to the student's respective UNC degree program. Course selection adjustments may be suggested to ensure appropriate transferability of credit.

Students are registered in an administrative placeholder course, ISE 100 or ISE101, for their study abroad program.

Students must be aware that courses taken abroad with a pass/fail grade assigned may have difficulty transferring back to UNC. Verification of Enrollment (VOE) requires students to list all courses taken abroad for correct credit transfer and financial aid eligibility.

All credit taken abroad through UNC-approved programs will initially transfer back to UNC as "Department or University-Wide" elective credit. Credit is transferred back upon successful completion of each course where a grade of C- or above was earned. Any grade below a C- is non-transferable and may impact a student's federal financial aid, if applicable. Students can refer to the International Transcript Evaluation section of the UG catalog for expectations transcript evaluation.

Students may have their academic advisor submit a Course Adjustment form for course(s) completed from their study abroad program to assign as an appropriate academic program substitute.

Graduating seniors should be aware that translation and transfer of transcripts may take several weeks or months and may postpone their degree conferment if not transferred back by the deadline.

Financial Aid

Financial aid eligibility varies from program to program. Federal, state, and institutional aid eligibility are subject to each individual program. To be considered for financial aid, students must apply by completing the appropriate year's FAFSA (Free Application for Federal Student Aid)

and meet all other aid eligibility requirements. Students are encouraged to apply for UNC Foundations Scholarships through Ursa.

Please check with the Education Abroad Office and the UNC Financial Aid to determine eligibility.

To receive financial aid disbursement, students are required to submit a completed Verification of Enrollment (VOE) form signed by their host university. This document confirms courses taken abroad and the number of credits that meet UNC full time enrolment requirement.

Students studying abroad for an academic year must submit a completed and signed VOE for both semesters abroad. Academic year students must also get their transcript from their first semester abroad submitted to the registrar before aid can be released.

International Student and Scholar Services

International Student & Scholar Services (ISSS) supports students, scholars, and dependents in F or J visa categories in maintaining their legal status while in the United States, and serves as a resource to students, faculty, and staff in meeting the needs of the global Bear community.

Students and scholars with F or J visa status are responsible for following the regulations of the U.S. Departments of Homeland Security (DHS) and State (DOS) pertaining to their visa status.

ISSS is the only office on campus with the regulatory authority to issue and sign F or J visa related documents, authorize off-campus employment authorization and practical training, authorize reduced course loads for international students or to advise on F- and J- visa related matters.

International Partnerships

UNC's international partnerships support internationalization and global engagement efforts, promote international collaboration in teaching, learning, and research, increase inbound and outbound student mobility, and elevate institutional profile. Our international partners send students to study in exchange, short-term, and degree-seeking programs at UNC, welcome UNC students in study abroad and exchange programs, and encourage eminent scholars to collaborate with UNC's distinguished faculty in research, scholarships, creative works, curriculum, and instructional methodology.

For more information, see www.unco.edu/global/services-programs/international-partnerships/

Intensive English Program

The Intensive English Program (IEP) is a nationally ranked program, fully accredited by the Commission on English Language Accreditation (CEA). IEP serves as a pathway for English language learners to enhance academic

preparedness as well as linguistic and cultural competencies required for career readiness or full admission to UNC's academic programs. Applicants must have completed high school or the equivalent to be considered for IEP admission. Students may be admitted to the IEP only or via conditional acceptance to an academic program. Conditionally admitted students may begin taking some academic/degree coursework when they are placed or reach level 6 in the IEP. IEP students with F1 or J1 visas are required to register as full-time students. Students are full-time when enrolled in 18 classroom hours per week based on federal guidelines 8 CFR 214.2(f)(6)(i). F2 visa holders are not allowed to be full time.

Program Structure and Length

The Intensive English Program (IEP) consists of 7 levels: from Low-Basic to Graduate. IEP levels correspond to the Common European Framework of Reference for Languages (CEFR). There are four core courses in the program: Speaking & Listening, Writing, Grammar, and Reading & Vocabulary. In addition, there are several skill courses available, such as English Pronunciation and Academic Vocabulary. For more information about each course, please refer to the catalog course descriptions.

IEP offers five 8-week sessions throughout the year in accordance with UNC's academic calendar: Fall 1 and Fall 2 sessions coincide with UNC's fall semester, Spring 1 and Spring 2 sessions coincide with spring semester, and the 8-week summer session coincides with the 8-week academic session. In accordance with rolling admission, applicants may choose to begin in any of the 5 sessions. The number of sessions/courses students need to complete the program successfully is based on their initial proficiency which is determined by the placement assessment.

For more information, see: www.unco.edu/global/services-programs/intensive-english-program/

International Recruitment and Outreach

The Office of Global Engagement and our partners around the world share complimentary and united goals: educate the next generation of global leaders via strong and steady enrollment, provide top-quality programs and dedicated student services, ensure satisfied parents and families, promote strong returns on investment post-graduation, and build sustainable business partnerships to rely upon. We work closely with all units across UNC as well as high schools, community colleges, partner institutions and the greater community to promote academic excellence and ensure student success. We are proud to work with reputable partners in the service of our international students at the University of Northern Colorado.

For more information, see www.unco.edu/global/ and www.unco.edu/international-admissions.

Orientation

An orientation for all new graduate students (Greeley campus and Extended Campus) is held prior to each semester and provides information about important services, issues, and policies for graduate students. For information about the orientation, please call the Graduate School at (970) 351-2831, view the Graduate School website unco.edu/graduate-school, or check the UNC Applicant Portal.

The University Center

www.unco.edu/university-center

Located at the corner of 10th Avenue and 20th Street, the University Center (UC) serves as the "living room of the campus" and provides cultural, educational, social, leisure, and co-curricular activities for the University community and guests.

The UC houses Conference & Event Services, Card Office & Student Club Business Services, Center for Career Readiness, Title IX, Campus Community & Climate, and is the home for Student Life.

A variety of vendors serve the campus community on the UC lower level including several food retailers (Einstein Bros® Bagels, Subway®, Hissho Sushi, and Munchy Mart™), the UNC Bookstore & Fanshop, Mana Jo's Campus Salon, as well as vending areas.

The Information Desk at the UC, located on the main level next to the Rocky Mountain Grand Ballroom, provides campus and community information, building and campus directional assistance, sells stamps, and provides complimentary faxing services.

The UC Computer Commons is a full-service computer lab offering student access throughout the week and provides students with a multitude of workspaces and computer options.

Lounges, meeting rooms, ballrooms, and other facilities are also available. The University Center hosts an exceptional range of over 5,000 events and programs annually.

The UNC Card

This is the official identification card for all members (faculty, staff, and students) of the university community. For on-campus students, the UNC card functions as a library card, dining card, activities card, recreation center pass, and as security access to various buildings and rooms. Students may also use the UNC Card as an ATM/debit card when linking it to their free Wells Fargo Checking account. The account then permits direct deposit of financial aid and student payroll to the free account. For alternative bank options, stop by the Card Office.

The UNC Card Office

The office is located on the main level of the University Center adjacent to the Student Affairs Welcome Desk.

Student Health Center

Provides primary health care services by physicians and nurse practitioners to UNC Students. No appointments are needed for most care. The Health Center is located on the first floor in Cassidy Hall. The Health Center is able to do insurance billing for most insurance plans. For more information see www.unco.edu/student-health-center.

University Libraries

www.unco.edu/library/

The University Libraries consists of the James A. Michener Library and the Howard M. Skinner Music Library, which house tangible collections, provide technology access to a wide range of online resources, and offer study rooms, desktop and laptop computers, and other technology, such as graphing calculators and digital cameras, for student use.

The James A. Michener Library, named for one of America's most popular authors (a UNC alumnus and former faculty member), maintains a primary collection of approximately 1.3 million units of hardbound volumes, periodicals, monographs, government documents, archival materials, maps, software programs, videos, and microforms. Opportunities to borrow materials are available to all Colorado citizens. Services provided include information literacy instruction in state-of-the-art classrooms, interlibrary loan, circulation, electronic reserves, and research assistance.

The Howard M. Skinner Music Library, named for Howard M. Skinner, former Dean of the College of Performing and Visual Arts, includes an information literacy instruction classroom, a group study room, and additional study space. The tangible collection includes comprehensive holdings of scores, recordings, periodicals, and monographs.

Access to the University Libraries tangible materials and online resources is provided from the Libraries home page. The Libraries offers access to about 80,000 electronic journals, over 500,000 ebooks, and over 210 databases.

Prospector, a shared online catalog that provides access to the collections of more than 40 participating libraries in Colorado and Wyoming, is also available from the Libraries home page. Materials from the collections of the participating libraries can be requested directly through Prospector. The Libraries interlibrary loan service obtains library material for UNC students, faculty, and staff from libraries within the state and nation as well as foreign countries.

The University Libraries has been designated as the repository for the works of James A. Michener. The James A. Michener Special Collection includes manuscripts, personal papers, research materials, and publications that are available to researchers, faculty, and students who want to further explore the works of the famous author. The University Archives also provides access to materials related to the history of the university and other special collections.

University Police Department (UNCPD)

The UNCPD provides law enforcement services to the campus. It is staffed 24 hours a day year-round with professional, full-time, state-certified police officers. This office is responsible for preventive police patrols, criminal investigations, response to medical calls, crime prevention efforts, and traffic enforcement. The UNC Police Department also provides a student escort program after dark, and is responsible for Clery Compliance efforts on campus. For more information you may visit our website at www.unco.edu/police.

In compliance with the Clery Act, the most recent University of Northern Colorado Annual Campus Security and Fire Safety Report is available online at www.unco.edu/police and a paper copy can be requested by calling 970-351-2245. This report contains crime statistics and policy statements related to safety, conduct processes, and Title IX investigations.

Policies and Procedures

Academic Appeals

Graduate students may appeal any academic decision that they consider arbitrary or capricious, or contrary to University policy. The procedures for appealing an academic decision can be found in UNC's Board Policy Manual, 2-1-2 "Academic Appeal Procedure" at www.unco.edu/trustees/pdf/board-policy-manual.pdf.

For other types of academic decisions students wish to appeal, including course grades and program termination, students should contact the Graduate School to discuss the appeal process.

Authorized University Credits

Graduate credit is granted for courses taught by a faculty member who has been appointed to the Graduate Faculty or appointed as a Graduate Lecturer. With the exception of special assignments for XXX 513 courses approved by the college and Graduate Dean, no graduate credit is granted for any course taught by a graduate teaching assistant who is pursuing an advanced degree at this institution, or a faculty member who has not been approved for Graduate Faculty or Graduate Lecturer status. With the approval of the relevant college leadership and the Graduate School,

qualified doctoral students may teach or co-teach a Masters level course with direct faculty supervision.

Certificate Requirements

A certificate is an academic title granted to a student who has completed a specific course of study. Certificate programs are administered by a college, school and/or coalition of faculty.

The faculty of UNC has established minimum general requirements that a student must meet to earn a Certificate:

1. Complete the minimum courses outlined in the respective certificate program.
2. Earn a minimum University of Northern Colorado cumulative grade point average of 3.00 in the certificate program. Certain certificate programs may have additional requirements.

Graduate Certificate Completion

Students who intend to complete a Graduate certificate must fill out the Application for Completion and submit it to: graduate.school@unco.edu. The following guidelines apply for the completion of the certificate:

- A \$50.00 application fee will only be charged one time per certificate and is applied to your student account. If a student plans to complete a Graduate Degree program as well, another \$50 fee will be charged to their student account once their second application is accepted. If the student is completing both a Graduate Degree and a Certificate program and apply for graduation and certificate completion in the same semester, the student will only be charged the \$50 graduation fee once.
- UNC confers certificates after the conclusion of the Fall, Spring, and Summer terms once all requirements are completed.
- All certificates must be declared in the Fall 2014 catalog and forward in order to complete.
- Any certificate completed in the Fall 2016 catalog and forward will receive an official certificate, certificates cannot be retroactively awarded.
- The catalog used to determine certificate requirements is the catalog in effect at the time the certificate is declared. If a certificate is being completed in conjunction with a major, it does not have to follow the major catalog year.
- To change or declare a certificate, work with a program advisor to complete the graduate certificate program form (www.unco.edu/graduate-school/pdf/Program-Change.pdf).

Complaints

The University Complaints process allows students to seek resolution for what they believe to be improper or unfair treatment from faculty and/or staff. Complaints about other students should be referred to the Dean of Students Office. Disagreement with an administrative decision, or the outcome of that decision, is not a complaint unless it alleges improper or unfair treatment.

A different process is used for:

- ADA Discrimination Grievance
- Academic Appeals
- Student Conduct Appeals
- Graduate School Appeals
- Title VII-Discrimination
- Title IX-Sexual Misconduct/Gender Discrimination

Courses

Course Credit

Definition of a Credit Hour

Credit Hour as required by the U.S. Department of Education (34 C.F.R. § 600.2)

An amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:

1. One hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester or the equivalent amount of work over a different amount of time; OR
2. At least an equivalent amount of work for other academic activities as established by the institution, including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

Base Contact Hour

The faculty Base Contact Hour represents a standard measurement of consumption of faculty resources by students. It consists of the number of scheduled minutes of instructional activity involving direct contact of faculty with students in a given term utilizing a particular method of instruction. The standard measurement for a faculty Base Contact Hour is:

- **Semester system term.** One Base Contact Hour = a minimum of 750 minutes. This translates to a MINIMUM of fifteen 50-minute hours per semester.

The base contact time will vary based on type of course. The required contact time is represented in the schedule of classes. Some UNC courses may be repeated for credit; they are specifically noted in the course description section of this *Catalog* with the maximum amount of credit allowed for each course.

For repeated courses, grades of “F,” “U,” “NC,” “NG,” “IP,” “UW,” “W,” and “I” that have not been completed within the allotted time, the credit hours are not included in earned credits.

Students may audit a course for “no credit” but must pay the same tuition and fees as those taking the course for credit. No audit or visitor cards are issued. Students auditing a course must enroll through the Office of the Registrar before the add deadline. Students need not complete assignments or exams used but are expected to attend classes when auditing a course.

If you are age 65 or older and wish to audit a course, you may do so with **no tuition charge (course fees may apply)**.

Registration may occur beginning the first Monday following the last day of pre-registration for UNC students. Registration is subject to space availability. If you have any questions or need additional information, please contact the Office of the Registrar at 970-351-4UNC (4862).

Course Designations

Subject

Each course is assigned a subject code that identifies the discipline, field or program offering the course. For example, course numbers in English are preceded by ENG; course numbers in Mathematics are preceded by MATH; and courses in Visual Arts are preceded by ART.

Numbers

Four groups are identified by course numbers, generally to indicate the difficulty of a course and its location on a continuum of study that leads to general mastery of the content and methodology of a discipline:

- Basic skills - 001-099 are not counted in cumulative credits, total credits toward graduation, GPA, nor for financial aid purposes.
- Lower division - 100-199 range are 1st-year (freshmen) courses and 200-299 are 2nd-year (sophomore) courses.
- Upper division - 300-399 are 3rd-year (junior) courses and 400-499 are 4th-year (senior) courses.
- Graduate level - 500-699 are Master’s courses and those numbered 700 or higher are Doctoral/Specialist courses.

- Juniors and seniors with a cumulative GPA of 3.00 or higher are permitted to take 500-level courses.
- Undergraduates may be permitted to take courses with numbers 600-699 if they have applied to and have been accepted into a Master's level program at UNC. 600-699 courses may not be counted towards an undergraduate degree.
- Undergraduates are not permitted to take courses with numbers 700-799.

Note: Applicability of coursework to a higher degree as an undergraduate student: please refer to specific details on the petition to count toward the next highest degree at www.unco.edu/graduate-school/pdf/Petition-to-Count-Work-Toward-Higher-Degree.pdf.

Undergraduate students may not count courses numbered 600-799 toward undergraduate degree programs.

Graduate students may not count courses numbered 100-499 toward graduate degree programs; courses numbered 700-799 may be taken for specialist or doctoral credit only.

Courses at the university are sequentially numbered. Courses numbered 100-499 are for undergraduate credit. Courses numbered 500-599 may count as undergraduate or graduate credit. If a course numbered 500-599 is not counting toward the correct level, the student may contact the Office of the Registrar to request that it be changed. With the exception of approved Acceleration 4 + 1 programs, a course numbered 500-599 counting as undergraduate credit cannot be counted toward a graduate degree; a course numbered 500-599 counting as graduate credit cannot be counted toward an undergraduate degree.

Undergraduate students seeking to apply 500-599 courses to their graduate degree must complete a petition to count work towards the next higher degree. In order to count work forward into a higher degree (for example, bachelor's into the master's or master's into the doctoral) prior to completing the prior degree, the following are required:

- You must be admitted to the higher degree (a letter of admission from the Graduate School);
- You must have applied for graduation for the prior degree (Graduation Office for bachelor's or the Graduate School for master's or specialist);
- And, you must file this form no later than the first week of the semester in which you enroll in the course work.

Additional policies governing counting work forward can be found in the UNC Graduate Catalog and at www.unco.edu/graduate-school/student-resources/current-students/academic-policies-and-deadlines.aspx.

Courses numbered 600-799 are for graduate credit only.

Courses with variable titles may have additional prerequisites assigned to specific sections scheduled.

Courses bearing the designation "gtP" are in gtPathways, Colorado's Guaranteed Transfer Program. These courses are guaranteed to transfer to all Colorado institutions of higher education.

Courses bearing the designation "LAC" are in the Liberal Arts Curriculum. These courses will meet the LAC requirements for graduation. For more information, see the Liberal Arts Curriculum catalog page.

Occasionally, courses that do not appear in the Catalog may appear in the Schedule of Classes (www.unco.edu/sched/). These course number end in "98" and are considered experimental. For example, an experimental course in Geology might be GEOL 398.

Mutually Exclusive Courses

Courses carry a mutually exclusive designation when the content of each course is highly similar or identical to the other(s). In those cases, credit will only be granted for one of the mutually exclusive courses. Courses with mutually exclusive designation have a statement that students may only earn credit for one course; e.g., 'Credit allowed for only one of these courses: ENST 356 or ECON 356.' Registration for any mutually exclusive variant of a course will be prohibited while a mutually exclusive course is in progress, and once a passing grade has been posted (e.g., a student who is currently enrolled in ENST 356 or has received a passing grade in ENST 356 will be prevented from registering for ECON 356). Students wishing to apply the grade replacement policy to a mutually exclusive course must repeat the same course originally taken (a mutually exclusive variant of the course may not be used for grade replacement).

Equivalent Courses

Equivalent courses are identical in content, but may have a different title or prefix. Equivalent courses satisfy graduation requirements and prerequisites. Generally, equivalent courses are used for courses with prefix, title or course number changes. Equivalent courses are eligible for grade replacement.

Curriculum Sweep and Purge

Every year during spring semester, the Office of the Registrar generates a report for review that captures courses, except for reserved-number courses, that have not been taught in the last six (6) years.

Academic Units are notified by email, including the respective Chair/Director and Dean, if any of their courses appear on this "purge" report. Unless the department/school specifies otherwise, the course(s) are removed from the curriculum file. Departments/Schools are asked for a written justification for those they would like to retain. Required written justification will be determined by the department/school in which the course is offered.

Course Load

Course load limitations for graduate students apply to any combination of all courses taken on-campus, off-campus, or on-line while an individual is enrolled as a graduate student in a graduate degree program, a non-degree certification program, or any combination thereof.

Full Time/Half Time/Less than Half Time/Overload Enrollment

Fall, Spring, and Summer: Full-time enrollment is considered 9 or more credit hours for graduate students. Half time enrollment is 5-8 credit hours. Less than half time enrollment is 4 credit hours or less.

An overload is more than 17 credit hours for Fall and Spring terms and 12 credit hours for the Summer term. Overload limitations apply to work completed in both on-campus and off-campus programs. The signed Graduate Credit Overload Permit Form must be submitted to the Registrar's Office, 1051 22nd Street, Campus Commons or faxed to 970-351-1870.

The Interim Winter Session has a 4 credit hour limit; no overload will be permitted.

A graduate student with a GPA lower than 3.0 may not petition for an overload.

Course Repeat Policy

Although approved courses may be repeated for credit, some courses may have limits to the amount of credit earned. Repeated courses are recorded on the transcript for every individual registration; all letter grades count toward the cumulative grade point average. A non-repeatable course may be repeated but will be counted in total credits toward graduation only one time.

Coursework Counted Toward the Next Higher Degree

While completing one degree, students may count a maximum of 12 graduate credits applicable toward the next higher degree. Such dual enrollment is limited to two consecutive semesters. All credits applicable to graduate degrees must be earned within the time limits specified for each degree program. The initial date for the next higher degree will be the date of the first course credits counted toward that degree. Students will be accountable for the final examination in the courses taken toward the next higher degree.

If a student desires to count work toward the next higher degree, they must:

1. Apply for and be admitted to the next higher degree program.
2. Apply for graduation in the current degree program.
3. Submit a "Petition to Count Work Toward the Next Higher Degree" form to the Graduate School before

starting any courses that are to count on the next higher degree.

Undergraduate seniors registering for master's degree work according to this procedure will continue to be classified as undergraduates until they have been awarded their baccalaureate degrees.

Credit by Course Number

Graduate students may not count courses numbered 100-499 toward graduate degree programs; courses numbered 700-799 may be taken for specialist or doctoral credit only.

Courses at the university are sequentially numbered. Courses numbered 100-499 are for undergraduate credit, and courses numbered 500-799 are for graduate credit.

Distance Delivered Course Credit

Courses delivered through alternative means (e.g., distance delivery, communications technology or computer assisted delivery) must be approved by the sponsoring school, college dean and the Dean of the Graduate School to be considered for graduate program credit. Courses shall have a defined relationship and applicability to degree and/or licensure programs as electives, support courses, or courses that fulfill program requirements.

Multiple Numbered Courses

Upon approval by the Graduate Council, courses numbered 400-599 may be double-numbered allowing undergraduate and graduate students to enroll simultaneously. All double-numbered courses may also be offered independently at either the undergraduate or graduate level. No course identified as an undergraduate Liberal Arts Curriculum course may be double-numbered. At least two-thirds of a student's master's degree program must be in courses that are not double-numbered courses or in courses that have been taught solely as 500-level or above graduate courses.

The following guidelines will be utilized in the process of evaluating new course proposals involving multiple numbering:

- All programs requesting approval of multiple numbered courses must demonstrate in the rationale of the course proposal the academic value of and need for the proposed course in this format.
- In situations where a nongraduate degree program is seeking to include a multiple numbered course in its offerings that is intended to serve other units of the university, the requesting program must include supporting materials from those units.
- Nongraduate degree programs requesting approval of multiple numbered courses must demonstrate that the necessary expertise to teach the course exists in the faculty of that program.

- The practice will be to limit the number of graduate level courses offered by non-graduate degree programs. The specific number of courses will be determined on a case by case basis.
- All new requests for multiple numbered courses should try to pair a 500 level course with a 400 level course.
- Many course proposals are submitted with little or no distinction made in the qualitative differences between the graduate and undergraduate components of the course. It is the concern of the Graduate Council that the significant differences in this regard should be clearly articulated in terms of all aspects of the proposed course. It is considered insufficient to require graduate students to perform the same work as undergraduate students but at a significantly higher level of accomplishment without a clear delineation of those qualitative criteria. It is also considered insufficient to merely require a research paper/project of a brief nature as the “graduate” component of the course. Therefore, all new course proposals must clearly distinguish, in the syllabus, the qualitative differences between the graduate and undergraduate components of the course. The significant differences in this regard should be clearly articulated in terms of expectation of outcomes, specific course content, course delivery and evaluation of work.

Multiple numbered courses are generally discouraged on the grounds that the practice tends to limit the expectations of the graduate component of the course by grouping together undergraduate and graduate level students. While this may be seen to be challenging and advantageous to the undergraduate students, the concern exists that graduate students will not be presented with true graduate level education because of “watering down” the content to meet the needs of the undergraduate students.

Unclassified Course Credit

A maximum of 9 semester hours of coursework taken while in an unclassified status may be used toward a graduate degree program (no more than one semester of full time enrollment). Unclassified status refers to a student who has at least a baccalaureate degree and has not been admitted into a graduate degree program or is not seeking admission into a graduate degree program.

The Graduate School may place holds on the registration of students who have taken the maximum hours and have not been admitted. Course registration will be suspended until an admission decision has been made. Thus, the student's application must be complete and the program faculty must recommend either a regular admission or must deny admission by the end of the first of semester of coursework or the completion of 9 semester hours.

Variable Topic Courses

A maximum of 9 semester hours, individually or in combination, of courses numbered 508, 513, or 622 may be counted toward a graduate degree.

- **Master’s:** A maximum of three semester credits of 513 (Professional Renewal) may be counted toward the master's degree.
- **Specialist:** For specialist students with a baccalaureate degree only, a maximum of 12 semester hours of 508, 513 or 622, individually or in combination, will be counted toward a specialist degree.

Family Educational Rights and Privacy Act (FERPA)

The University maintains an educational record for each student who is or has been enrolled at the University. In accordance with the Family Educational Rights and Privacy Act of 1974, as amended, the following student rights are covered by the Act and afforded to all eligible students at the University. See www.unco.edu/registrar/ferpa.aspx for "eligible student" definition.

The Family Educational Rights and Privacy Act (FERPA) afford eligible students certain rights with respect to their education records. An eligible student under FERPA is a student who is 18 years of age or older or who attends a post-secondary institution. Each of these rights with any limitations or exceptions is explained in the University's policy statement, a copy of which may be obtained from the Registrar's Office. These rights include:

1. The right to inspect and review information contained in the student's educational records within 45 days after the day the University of Northern Colorado (UNC) receives your request for access.
 - a. Students should submit to the Office of the Registrar written requests that identify the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the Office of the Registrar, we will advise you of the correct official to whom the request should be addressed.
2. The right to request amendment of the contents of the student's educational records if believed to be inaccurate, misleading, or otherwise in violation of the student's privacy or other rights.
 - a. If you believe that your record contains inaccurate or misleading information, you may submit the Request to Amend or Remove Education Records form to the Office of the Registrar clearly identifying the part of your record that you want

- amended and specify why it is inaccurate or misleading.
- b. If your request to amend your record is denied by the Office of the Registrar, we will notify you in writing of the decision and your right to a hearing regarding the request for amendment. This will include instructions on submitting the Request for Formal Hearing to Amend or Remove Education Records form to the Office of the Registrar.
 - c. If you disagree with the Hearing Panel's decision, you have the right to place in your record a written statement commenting on the information in the record and/or stating your reasons for disagreeing with the decision. This explanation will become part of your education record as long as the record is maintained and whenever a copy of your record is sent to any party, the explanation will accompany it.
 - d. FERPA was intended to require only that schools conform to fair recordkeeping practices and not to override the accepted standards and procedures for making academic assessments, disciplinary rulings, or placement determinations. Thus, while FERPA affords you the right to seek to amend education records which contain inaccurate information, this right cannot be used to challenge a grade or an individual's opinion, or a substantive decision made by a school about you. Additionally, if FERPA's amendment procedures are not applicable to your request for amendment of education records, UNC is not required under FERPA to hold a hearing on the matter.
3. The right to prevent disclosure without consent, with certain exceptions, of personally identifiable information from the student's educational records. One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests.
 - a. A school official is a person employed by the University of Northern Colorado in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person serving on the board of trustees; or a student serving on an official committee, such as a disciplinary or grievance committee. A school official also may include a volunteer or contractor outside of the University of Northern Colorado who performs an institutional service or function for which the school would otherwise use its own employees and who is under the direct control of the school with respect to the use and maintenance of PII from education records, such as an attorney, auditor, or collection agent or a student volunteering to assist another school official in performing their tasks.
 - i. A school official has a legitimate educational interest in information contained in a student's education records if the information is necessary for that official to perform a task within the scope of their responsibilities that relates to the student or to the management and administration of education at the University of Northern Colorado. The information is to be used within the context of official University business and not for purposes extraneous to the official's areas of responsibility or to the University.
 - ii. Legitimate educational interests would include teaching, research, public service, and such directly supportive activities as academic advising, general counseling, therapeutic counseling, discipline, vocational counseling and job placement, financial assistance and advisement, medical services, safety, raising endowment in support of student scholarships, and academic programs and academic assistance activities.
 - b. Each of these rights with any limitations or exceptions is explained in the University's policy statement, a copy of which may be obtained from the Registrar's Office.
 - c. The University may provide "Directory Information" in accordance with the provisions of the Act without the written consent of an eligible student unless it is requested in writing that such information not be disclosed (see below). The items listed below are designated as Directory Information and may be released about any student for any purpose at the discretion of the University unless a written request for nondisclosure is on file:
 - i. Category I: Name, address(es), e-mail address, birth date, telephone number(s), dates of attendance, classification, and enrollment status.
 - ii. Category II: The most recent institution attended, major field of study, honors, awards and publications, degree(s) conferred and conferred date(s), degrees pursued or being pursued.
 - iii. Category III: Past and present participation in officially recognized sports and activities, physical factors of athletes (height and weight).
 - iiii. Currently enrolled students may prohibit general disclosure of this Directory Information by notifying the Office of the Registrar in writing within 10 calendar days after the first scheduled class-day of each fall term. The University will honor the request until the student notifies the Office of the Registrar in writing of intent to allow release of Directory Information. The

student should carefully consider the consequences of any decision to withhold Directory Information. Regardless of the effect upon the student, the University assumes no liability that may arise out of its compliance with a request that such information be withheld. It will be assumed that the failure on the part of a student to request the withholding of Directory Information indicates the student's consent to disclosure.

iiii. Directory Information - FERPA directory information is information contained in in your education record that generally would not be considered harmful or an invasion of privacy if disclosed. Under current UNC policy, the following information is designated as directory information:

1. Student name
2. Student address and phone number (including local mailing and permanent addresses)
3. Email address
4. Date of birth
5. Dates of attendance
6. Full or part-time enrollment; registered credits for the current term
7. Student classification
8. Major field of study
9. Degrees pursued or being pursued
10. Degree conferred and dates
11. Honors, awards, and publications
12. Most recently attended educational institution
13. Participation in officially recognized sports and activities, past and present
14. Physical factors of athletes
15. Photos and videos taken or maintained by the university

iiiii. Directory information may be disclosed through a variety of methods including, but not limited to, paper, electronic, voice and other means. Any questions concerning the student's rights and responsibilities under the Family Educational Rights and Privacy Act should be referred to the Office of the Registrar.

4. The right to file complaints with the U.S. Department of Education concerning alleged failures by the University to comply with the provisions of the Act.

The name and address of the office that administers FERPA is:

U.S. Department of Education,
Student Privacy Policy Office,
400 Maryland Avenue S.W.,
Washington, D.C. 20202-8520.

Attendance

Regular class attendance is assumed. Faculty should state their specific policies on absences in the syllabus. Each instructor determines the relationship between class attendance, the objectives of the class, and the grade. The instructor is responsible for attendance policies and their effect on grades. Students are responsible for knowing the attendance policy of each course. Only the instructor can approve a student's absence. Students are responsible for requesting such approval.

Students involved in University-sponsored activities, including intercollegiate athletics, may need to be excused from a class, lab, or studio meeting. In all instances, it is their responsibility to present a written request for the absence. Students should be prepared to discuss how the absence may affect their ability to meet the course requirements. Instructors should seek to make reasonable accommodations for a student involved in University-sponsored activities. Students should recognize that not every course can accommodate absences. Notifying the instructor of an absence does not relieve students from meeting the course requirements.

The University requires that faculty provide reasonable accommodations to students who miss a class due to a religious observance. Students planning to miss a class for religious observance should notify the instructor prior to the absence.

The instructor has the option to drop students who do not attend the first 100 minutes that class meets in order to allow other students to enroll.

Students are responsible for dropping courses they do not attend.

Online Course Policy

As with a face to face course, the instructor has the option to drop students who do not log in and do not participate in the first 48 hours from the course start date. This is to allow other students to enroll. Not all instructors will exercise this option; therefore, students should not assume that not logging in will automatically drop them from the course.

Final Examinations

All final examination periods are to be scheduled for 150 minutes in length.

Instructors who decide not to conduct a final examination or similar capstone exercise during finals week should notify their appropriate unit leader (department chair, school director, program area coordinator) in writing of this action prior to the start of an academic semester or term. Instructors should also notify unit leaders of the equivalent activities to be undertaken during the 150-minute session of the course during finals week and include this information in the course syllabi.

All students must attend the final examination period for each course in which they are enrolled. Any student who is unable to attend the final examination period must request alternative arrangements before the midpoint of the respective course. Approval of the request is at the instructor's discretion.

A student scheduled for three or more final examinations for one day, may negotiate a rescheduling of an exam. The student must notify and begin negotiation with their instructors not later than midpoint of the course(s). If the parties involved cannot find a mutually agreeable time and place, the appropriate dean's office(s) will negotiate a rescheduling of the exam periods. Any student who fails to negotiate a time change must complete all finals as scheduled.

Examinations are conducted in the same classroom used throughout the semester unless previous arrangements are made with the appropriate dean's office and the Academic Scheduling in the Office of the Registrar. Faculty should alert students to changes in the final examination times or locations no later than midpoint of the course.

Full-Time and Part-Time Enrollment Status

Fall/Spring/Summer Enrollment Status:

Status	Credits
Full Time	9 Credits or more
Half-Time	5-8 Credits
Less than Half-Time	4 Credits or less

Per the Federal Financial Aid Handbook, "minimum standards for full-time enrollment. A student's workload may include any combination of courses, work, research, or special studies that your school considers sufficient to classify them as full-time. This includes, for a term-based program, one repetition of a previously passed course that is not due to the student failing other coursework. The regulations specify a minimum standard for undergraduate students but not for graduate students."

https://fsapartners.ed.gov/sites/default/files/attachments/fsa_handbook/1718FSAHbkVol1Ch1.pdf

Note: For students enrolled in UNC's Intensive English Program (p. 40) (IEP), please refer to the IEP guidelines pertaining to enrollment status.

Full-time/Half-Time Status Exception

An exception to the minimum credit hours for a half-time/full-time status as a graduate student may be made when either of the following apply:

- The student has advanced to doctoral candidacy, in which case the student will be full-time if they take at least three (3) credits of graduate coursework and half-time if they take at least one (1) credit of graduate coursework.
- The student is working half- or full-time (20 hours or 40 hours a week respectively) in an internship, practicum, or field experience that counts toward completion of the student's degree in the following programs during the respective academic term:
 - School Psychology, Ph.D.
 - Counseling Psychology, Ph.D.
 - Counselor Education and Supervision, Ph.D.
 - Maser in Clinical Mental Health, M.A.
 - Master in Marriage, Couples, and Family Counseling/Therapy, M.A.
 - School Counseling, M.A.
 - School Psychology, Ed.S.
 - Special Education, Ph.D.
 - Audiology, Au.D.

Financial Aid Eligibility Status

Although graduate students must be registered for a minimum of five credits to be considered half-time or nine credits to be considered full-time, there are exceptions. If ALL of the following qualifying conditions are present, the UNC Graduate School may authorize the Office of the Registrar to certify half-time or full-time enrollment status.

A "Certification as a Half- or Full-time Enrollment Status" form, available from the Graduate School, must be submitted each term for approval. On the form, the graduate student's program coordinator must justify why the student should be considered half-time or full-time without being registered for the appropriate number of credits.

Qualifying Conditions:

Qualifying conditions that must be met for approval to be considered half-time or full-time:

Submission Dates:

The "Certification as a Half- or Full-time Enrollment Status" form must be submitted to the Graduate School each enrollment period in which an exception is required.

The "Certification as a Half- or Full-time Enrollment Status" form must be completed and submitted to the

Graduate School on or before the following dates for the respective terms:

No exceptions will be granted for late submissions.

If approved by the Graduate School, a “Certification as a Half- or Full-time Enrollment Status” form will be submitted to the Office of the Registrar for processing.

The Office of the Registrar will subsequently notify the Office of Financial Aid and the National Student Clearinghouse on the change of the graduate student’s enrollment status

- a. The graduate student is registered for a minimum of one credit hour during the respective term in question.
 - i. **Enrollment in continuous registration and/or audit courses does not meet this registration requirement**
 - b. The graduate student’s program coordinator/advisor submits a “Certification as a Half- or Full-time Enrollment Status” to the Graduate School that explains why the student is/was not registered for the minimum of five or nine credits during the term(s) in question.
 - i. Acceptable reason includes: The student is working half- or full-time (20 hours or 40 hours a week respectively) in an internship, practicum, or field experience that counts toward completion of the student’s degree in the appropriate degree program.
- Fall Semester – August 1st
 - Spring Semester – December 1st
 - Summer Semester – May 1st

- The credit hours and quality points are totaled for all UNC courses within the same degree level, Undergraduate (UG) or Graduate (GR).
- Students determine placement of 500-level courses toward UG or GR credit hour and quality point totals (See Course Designation Policy (p. 45)).

Grade Point Average

The University operates on a 4.00 grade point system. See "Grading (p. 53)" in this section of the catalog, the "Standard Grading" table contains the grade point value of individual grades.

To compute a grade point average, first remove all basic skills courses (course numbers 001-099) and all courses that carry the grades: S, U, W, UW, I, NC, and grades with a period or asterisk(s). Multiply the credit hours for each remaining course by the grade point value of the grade. Total the credit hours and grade points. Divide the grade points by the credit hours. Grade point averages are calculated to 3 decimal points and displayed as two decimal points rounded on academic transcripts and degree evaluations.

The cumulative University of Northern Colorado grade point average (GPA) is calculated as follows:

GPA Example:

Grade	Credit	Points	GPA
A = 4.000	3	12.000	
B- = 2.667	5	13.335	
C+ = 2.334	3	7.002	
I = N/A	N/A	N/A	
Total	11	32.337	= 2.939 GPA

Grading

Standard Grading	Quality Points
A = superior	4.000
A- = A minus	3.667
B+ = B plus	3.334
B = above average	3.000
B- = B minus	2.667
C+ = C plus	2.334
C = average	2.000
C- = C minus	1.667
D+ = D plus	1.334
D = poor, passing	1.000
D- = D minus, passing	0.667
F = failure	0.000
S = satisfactory - credit granted	++
U = unsatisfactory - no credit	+
I = incomplete	+
UW = unauthorized withdrawal	+
W = approved withdrawal	+
NC = no credit (audit)	+
NG = no grade	+
CR = credit granted	++
Grade* = basic skills, fresh-start, and grade forgiveness	+
Grade** = fresh-start prior to March 1993	++
Grade(.) = basic skills	+

⁺Credits not used to compute grade point average (GPA) and not counted toward graduation.

⁺⁺Credits not used to compute GPA but counted toward graduation. "S" is a UNC assigned course grade. "CR" is non-UNC assigned course grade.

Notes

A "CR" indicates credit awarded for AP, IB, CLEP, Military, and/or for courses from other institutions assigning a grade of "CR".

A "*" indicates basic skills, fresh-start, and grade forgiveness on a student's records. Credits not used to compute grade point average (GPA) and not counted toward graduation.

A "***" indicates fresh-start prior to March 1993. Credits not used to compute GPA but counted toward graduation.

A "." indicates basic skills coursework. Credits not used to compute grade point average (GPA) and not counted toward graduation.

A "NC" indicates no credit and is assigned for audited courses.

A "NG" indicates a no graded course and is only used for ISE 100/101 and NSE 100 course designations.

A "W" indicates an approved withdrawal from the course and is assigned only when the student has completed the official withdrawal processes. Credits not used to compute grade point average (GPA) and not counted toward graduation.

A "UW" indicates an unauthorized withdrawal and is assigned **only** when the student has **never** attended the class for which they enrolled. Credits not used to compute grade point average (GPA) and not counted toward graduation.

A "F", or "W", or "U" grade requires the submission of a last date of a student's "academic engagement." "UW" grades are only submitted when the student never attended the class. As outlined by the U.S. Department of Education (34 C.F.R. 668.22), the submission of the "Last Date of Attendance" is necessary to ensure that any student receiving a failing grade actually attended the class and, therefore, is eligible for any federal financial aid they may have received.

As defined by the U.S. Department of Education, academic engagement is defined as active participation by a student in an instructional activity related to the student's course of study that includes, but is not limited to—

- Attending a synchronous class, lecture, recitation, or field or laboratory activity, physically or online, where there is an opportunity for interaction between the instructor and students
- Submitting an academic assignment

- Taking an assessment or an exam, participating in an interactive tutorial, webinar or other computer-assisted instruction
- Participating in a study group, group project, or an online discussion that is assigned by the institution
- Interacting with an instructor about academic matters

Academic engagement does not include activities where a student may be present, but not academically engaged, such as:

- Living in institutional housing
- Participating in the institution's meal plan
- Logging into an online class or tutorial without any further participation; or
- Participating in academic counseling or advisement (34 C.F.R. 668.22(I)(7)(i)(A))

UNC is required to determine academic engagement for all students. (34 C.F.R. 668-22(I)(7)(ii). (Also see Withdrawal from the University)

Incomplete Grading:

At the discretion of the instructor, a temporary grade of Incomplete ("I") may be given if the student demonstrates that they cannot complete the requirements of the course due to extenuating circumstances beyond their control. Examples of such circumstances include, but are not limited to: serious illness of the student; accident; or death/illness in the family. Examples of circumstances that are not extenuating include, but are not limited to: a student's poor academic performance in class; a student's time management and planning; and/or a student's lack of adherence to/awareness of University policies or deadlines.

Students must have a passing grade in the course at the time that an Incomplete is requested unless the instructor determines that there are extenuating circumstances to assign an Incomplete. The grade of Incomplete may be assigned up through the last week of the course, which includes finals week.

After an Incomplete grade is given, students should NOT register for the course a second time. A grade of "I" is not used to compute grade point average (GPA) and is not counted towards graduation. Degrees will not be conferred upon students with outstanding "I" grades.

Grade change process for Incomplete grades:

- The instructor must submit to the department chair or school director, a written notice of the specific coursework to be completed before the final grade is determined as well as reasons for the Incomplete grade. A copy is kept in the school/department and one is provided to the student.

- To change an Incomplete grade, the instructor must submit the grade change request to the Office of the Registrar. Grade change requests submitted within the first six-week period of the subsequent term in which the student originally enrolled in the course must be signed by the instructor and the school director/department chair. Grade change requests submitted after the six-week period of the subsequent term in which the student originally enrolled in the course must be approved and signed by the instructor, the school director/department chair and the Dean of the College (or designee).
- If the course requirements are not completed and the grade change not received in the Office of the Registrar within one year after the term in which the "I" was assigned, the grade will be recorded on the academic record as a failing or unsatisfactory grade. Once the Incomplete grade(s) have converted to failing/unsatisfactory, a grade change(s) will not be permitted.

For more information, please contact the Office of the Registrar at 970-351-4UNC (4862).

Minimum Grade Requirement

Courses for which "C-", "D+", "D", "D-", "F", "U", "W", or "I" grades are awarded will not count towards a graduate degree program requirements.

Grade Replacement

See Graduate Grade Replacement Policy (p. 54).

The course syllabus contains important information regarding course requirements and the grading system utilized. It is the responsibility of the students to read the syllabus and consult the instructor if they have questions.

Grade Point Average Requirement

Graduate students must maintain a cumulative grade point average of 3.00 in graduate level courses. A graduate student may not graduate with a cumulative grade point average below 3.00. If student's cumulative grade point average drops below 3.00 after taking at least 9 graduate level credit hours, a warning letter will be sent to the student. The degree program of a student who has been sent a warning letter will be terminated if the student's grade point average is below 3.00 after completing an additional 9 or more graduate level credit hours in which grades of "A," "B," "C," "D," or "F" are earned. All grades earned during the semester which the 9th hour is earned are used in the calculation of the grade average.

Grade Replacement Policy

Effective Fall 2022, the specifications of the Course Replacement Policy are as follows:

Courses repeated under this policy may not be eligible for financial aid. Veterans Benefits will not cover the cost of a repeated course in which the student previously received a passing grade. For more information, contact Financial Aid at (970) 351-4UNC (4862).

Graduate Dean's Scholarship, graduate assistantship tuition waiver funding, and/or other institutional scholarship funds will not be applied to the cost of retaking credits. Contact the Graduate School for more information about scholarship and assistantship funding.

The provisions below are not retroactive. They only apply to those courses taken no earlier than Fall semester 2022.

- The Grade Replacement Policy only applies to UNC graduate courses that are letter-graded (A-F). The courses taken for grade replacement must be the same (prefix and number) and both courses must be taken at UNC. The course must not be designated repeatable for credit in the current graduate catalog. Pass/Fail (S/U) graded courses are excluded from this policy.
- Grade replacement can only be applied once per course for a maximum of three (3) courses and no more than nine (9) credit hours.
- To apply for grade replacement, the student must earn a grade of "B-" or lower in their first attempt. Applications for grade replacement will not be accepted for courses with an incomplete (I) grade.
- To use grade replacement, the student must submit a Grade Replacement Application to the Office of the Registrar no later than the drop deadline of courses being repeated. Applications submitted after the deadline will not be accepted. Once the grade replacement application deadline has passed, a grade replacement application cannot be withdrawn.
- The most recent letter grade (A-F) attained for a course repeated under grade replacement will count toward the cumulative GPA, even if the most recent grade is lower than the grade being replaced.
- If a student applies for grade replacement and receives a "W" or "UW" in the second attempt of a course, that attempt does not count as the grade replacement opportunity and the original grade will stand.
- All occurrences of a course and all grades earned for the course are recorded on the transcript.
- Courses are counted one time only in the total credits towards graduation.

- Grades counted toward a completed degree are excluded from this policy (e.g., course double-counted in a 4+1 BA to MA program).

Students who plan to transfer to another academic institution or plan to apply for another graduate degree should be aware that other institutions may include all grades in the GPA calculation for admission.

Students receiving federal student loans should be aware that the Standards of Satisfactory Academic Progress Policy is separate from the Grade Replacement Policy. Changes in cumulative GPA and/or deficient hours due to grade replacement will not be considered in any financial suspension appeal until the course has been completed. For questions, please contact Financial Aid at (970) 351-4UNC (4862).

If the student has received a notice of academic probation because their graduate GPA is under 3.0, they will remain on academic probation until grades are posted at the end of the semester.

Grade Submission and Corrections

Faculty must submit course grades online to the Office of the Registrar by 5 pm of the third working day after the last day of the course. This includes the following:

- The last day of finals week for full semester courses in the fall and spring terms;
- The last day of the designated part of the term for courses that are less than a full semester in length, or any course offered in the interim winter or summer sessions.

Grade changes or corrections must be submitted within the first six weeks of the following term and must be signed by the instructor and the Academic Unit Leader. These include the following:

- Changes to grades for classes taken in the fall semester or interim winter session are due within the first six weeks of the spring semester.
- Changes to grades for classes taken in the spring are due within the first six weeks of the summer.
- Changes to grades for classes taken in the summer are due within the first six weeks of the fall semester.

Grade change requests submitted after the six-week period must be approved and signed by the instructor, the Academic Unit Leader, and the Dean of the College (or designee).

Once final course grades are submitted to the Office of the Registrar, other than an Incomplete, no grade change can be made based upon course work completed after the term has ended. Grade change requests must be submitted via OnBase by the instructor of record, or Academic Unit Leader. No grade changes will be accepted for courses that

have been applied to an awarded degree and/or certificate/licensure program.

Immunization Regulation

Colorado State Immunization law requires all University students born after January 1, 1957, to submit proof of two MMR (measles, mumps, and rubella) vaccines. Students must submit immunization records prior to registering for classes at UNC. **Students who fail to comply with this requirement will not be allowed to register.**

Individuals who are unable to be immunized due to medical, religious, or personal reasons are exempt from this regulation when they file exemption through the State of Colorado Department of Public Health. In the event of an outbreak of illness on campus, individuals who do not have proof of immunization or who have filed a Certificate of Exemption form will be subject to exclusion from classes and residence halls and will be quarantined. The University is not responsible for any liability the student may suffer due to an exclusion and/or quarantine.

It is a UNC requirement for all incoming international students from countries where TB is endemic to undergo TB screening at the start of their first semester at UNC. Proof of a QuantiFERON TB screening test must be submitted to Student Health Services by the 10th day of classes of their first semester at UNC. Students who fail to comply with this requirement will have a hold placed on their registration. Students should contact the Center for Office of Global Engagement at 970-351-2396 for additional information about this requirement.

The Meningitis vaccine is required for freshman living in student housing, unless they read and sign the Meningococcal Information and Waiver Document. This document is provided by Residence Life and Education as part of the online housing contract. For all other students the Meningitis vaccine is highly recommended. Students interested in getting the Meningitis vaccine should contact the UNC Immunization Coordinator at 970-351-1919 for further information on how to obtain this vaccine.

Additional Immunization documents may be required by certain programs.

Covid vaccinations are highly recommended, but documentation does not have to be submitted at this time. For all immunization requirement instructions go to www.unco.edu/student-health-center/immunization-requirements.aspx.

Insurance Requirement for All Students

www.unco.edu/student-health-insurance-program/

All Undergraduate students taking 9 or more credit hours and all Degree Seeking Graduate students taking 6 or more credits per semester, regardless of the type of class (on

campus, off campus, online only) are required to have full coverage health insurance.

Students who meet the credit hour criteria will be automatically enrolled in the UNC Student Health Insurance Plan and the cost will be added to your UNC student bill. Students have the option to waive out of the UNC Student Health Insurance Plan by completing the online insurance waiver showing proof of comparable coverage prior to the deadline, which is always the 10th day of classes each semester.

If a waiver is completed for the UNC Student Health Insurance Plan for Fall semester, the enrollment and subsequent charge for Spring semester will also be waived. If you have questions regarding re-enrollment in the UNC Student Health Insurance Plan, contact the Student Insurance Office at 970-351-1915.

Please note: All international students regardless of the number of credit hours will be charged for the UNC insurance plan. To be eligible to waive participation in the UNC-sponsored health insurance plan, UNC's Board of Trustees, generally speaking, allows for U.S.-based equivalent insurance coverage as a basis for waiver. In other words, such plans must be comparable with Gold or Platinum plans under the Affordable Care Act (ACA), and provide coverage for all benefits and services included in the UNC SHIP plan. All international students must follow the waiver process through the Office of Global Engagement website. Deadline for the waiver is the 10th day of classes.

Name Change

Application for admission to the University requires students to use their legal name. The legal name must be the name that is recorded on legal documents such as a driver's license, birth certificate, passport, social security card, alien registration card, certificate of naturalization, etc. If a student changes their legal name, the University will require proof of the new legal name recorded on a legal document, which can include a marriage license, adoption record with new birth certificate, divorce decree, court order, etc. The legal name is imperative at both the state and federal level reporting (e.g., financial aid, College Opportunity Fund, employment, immigration).

Name In Use

A first name by which an individual wishes to be identified, that is other than the individual's legal name, is a "name in use." UNC will provide a process to include a name in use for any student's first name in UNC's information systems. While UNC will work toward primary use of the name in use, students should be aware that the use of the legal name will continue to be necessary in multiple communications and processes due to UNC business or legal requirements and/or system limitations.

UNC reserves the right to deny a request to include a name in use in its information systems if the request is fraudulent, carries connotations offensive or indecent, or violates the Board Policy Manual, University Regulations and/or Student Code of Conduct. Issues relating to such matters may be referred to the Dean of Students Office for consideration and resolution.

UNC will investigate reports of misuse and abuse of the name in use process/policy statement. Depending on the circumstances, those involved in such investigations may include Human Resources, Dean of Students, Provost, University Counsel, and/or appropriate law enforcement agencies.

The university also reserves the right to remove a name in use that is deemed misrepresentative and suspend the individual's privilege to update their name in use.

Pronoun in Use Information

For the purpose of this policy, pronouns refer to the personal, possessive, and reflexive words that replace proper nouns in different parts of speech/communication/writing that may denote gender, and by which an individual wishes to be identified. The University of Northern Colorado (UNC) embraces the diversity of its students. As an inclusive practice, UNC has implemented an optional process for students to designate their pronouns to the institution. It is our goal to have students' identities affirmed and their pronouns used appropriately in every aspect of campus life. Pronoun information can be designated by the student on the admissions application or by completing and submitting the Individual Data Change Request Form found on the Registrar's website.

We encourage students to report issues relating to pronoun usage to the Dean of Students Office for consideration and resolution. Depending on the circumstances, those involved in such investigations may include Human Resources, Dean of Students, Provost, University Counsel, Office of Institutional Equity & Compliance, and/or appropriate law enforcement agencies.

Special Characters in Name Usage

The use of special characters in an individual's name is recognized and important to the University. All attempts are made to ensure the use of special characters in an individual's name. However, the University uses multiple database systems, both internal and external, where certain special characters are incompatible with the database field structures requiring the removal of the special character.

Name In Use/Graduation Ceremonies

Students may provide their name in use at the point they apply for graduation on the graduation application. Students with a name in use on file with the Office of the Registrar, and who wish to apply their name in use for graduation ceremonies and commencement program

publication, must submit an Individual Data Change Request Form or Graduation Application by the graduation application deadline. For information on protocols, please visit the Graduation Deadlines site.

If a student chooses a name in use in place of a legal first name prior to the graduation ceremony, and in the commencement program (not transcripts or diplomas), and they did not make the request on the Graduation Application, they must submit an Individual Data Change Request Form. The student will then select the appropriate box to override one's legal first name, and substitute the name in use for the legal first name at the ceremony.

If a student uses their middle name as a name in use, we recommend that they request removal of their middle name to prevent duplication. Should a student choose not to delete their middle name from the system, and their middle name is the same as their name in use, the middle name will be omitted from the program. Please see the Name in Use FAQs for more information.

Changing your name in use on the graduation application will also impact:

- Housing contracts
- Recreation Center
- Student online directory
- Canvas
- Library Checkout
- Career Services (Handshake)
- Student Email address

A student's legal name will be published on diplomas and official transcripts.

This policy statement may be modified or rescinded at the discretion of UNC.

Off-Campus Activity and Field Trip Disclaimer

As part of the courses and extracurricular activities offered by the University, students will be encouraged to attend campus events or engage in off-campus activities as a supplement to their on-campus instruction and education. These activities may include travel to foreign countries or other states as well as in-state field trips. Students may be expected to provide their own transportation to and from such activities, or the University may arrange or otherwise provide transportation.

Under any circumstance, however, the University requires its students to maintain appropriate insurance and be responsible for their conduct and activities at all times, on- or off-campus. The University requires its students to comply with all laws and to assume all responsibility and liability for their actions and conduct while attending,

being involved in or traveling to and from any off-campus activities, whether for required or voluntary activities.

Parking Regulations

The mission of UNC Parking Services is to manage an efficient and self-supporting system of parking lots for the campus. We will design and maintain our lots to enhance safety and an orderly traffic flow. We will enforce Parking Rules and Regulations so that our patrons receive the best service possible. Students, Faculty or Staff who wish to park on campus can purchase a parking permit from Parking Services (Gray Hall) or go online at www.unco.edu/parking. Visitors and short-term guests can purchase Visitor's Permits at Parking Services or Daily Permits from one of the many dispenser units located across campus. UNC's parking lots are enforced all year, as per the signage at the entrance to each lot. No tax revenue, student fees or tuition funds are received or used for parking facilities.

Plagiarism

The following is UNC's approved definition of plagiarism: Plagiarism is the act of appropriating the written, artistic, or musical composition of another, or portions thereof; or the ideas, language, or symbols of same and passing them off as the product of one's own mind. Plagiarism includes not only the exact duplication of another's work but also the lifting or a substantial or essential portion thereof.

Regarding written work in particular, direct quotations, statements which are a result of paraphrasing or summarizing the work of another, and other information which is not considered common knowledge must be cited or acknowledged, often by listing author(s) and year of the cited source. Quotation marks or a proper form of indentation shall be used to indicate all direct quotes.

As long as a student adequately acknowledges their sources and as long as there is no reason to believe that the student has attempted to pose as the originator, the student will not be charged with plagiarism even though the form of the acknowledgement may be unacceptable. However, students should be aware that most professors require certain forms of acknowledgement and some may evaluate a project on the basis of form.

Plagiarism - Generative Artificial Intelligence Policy

Generative Artificial Intelligence Policy

As the culminating examinations in subject proficiency or work of academic writing and research produced by a student in fulfillment of the requirements of a doctoral, specialist, or master's degree program, a comprehensive exam, dissertation, doctoral scholarly project, or thesis is expected to be the student's original work. A student must not submit a comprehensive examination, dissertation, or

thesis that contains written content, images, tables, references, music or musical scores, or data generated by artificial intelligence (AI) tools, unless:

- Such content is permitted by the student's departmental or college AI policies;
- Generative AI use is an approved accommodation under the Americans with Disabilities Act;
- A student's thesis or dissertation includes research on generative AI with examples clearly identified as examples and cited appropriately.

Students who violate this policy will be subject to university disciplinary procedures for academic misconduct, which can include termination of their degree program and university expulsion.

Suggestions for appropriate use of AI for third-party editorial assistance

- Correcting spelling, punctuation, and grammar.
- Correcting formatting of margins, headings, and citations according to the style manual specified by the student (APA, Turabian, MLA).
- Making writing style suggestions, such as shortening long sentences, without changing the meaning of the text.

The student is responsible for checking that the formatting revisions suggested by generative AI are correct and comply with their published style manual and the Graduate School manual.

Posthumous Degrees

Students who die during their academic programs may be awarded posthumous degrees.

1. The request to award a posthumous degree may be initiated by the decedent's family, the student's major department/school/program area/college, or the President.
2. The CAO, in consultation with the Dean of Students, shall determine whether the student had made reasonable progress toward degree completion and did not have a record of significant disciplinary incident(s).
3. If, based on the consultation in (2), a decision is made to award a posthumous degree, the Dean of Students shall determine support for the decedent's family. Should the family indicate support, the CAO shall communicate the decision to the Registrar, who shall order the appropriate diploma and arrange for the decedent to be listed in the first available commencement program.
4. The Registrar shall send notice of the posthumous degree award to the President, the CAO, the Dean of Students, and the decedent's major department/school/program area and college.

5. The President shall write a letter to the decedent's family announcing the posthumous degree and the date of the commencement ceremony at which the degree shall be awarded.

Semester System

The University of Northern Colorado follows the early semester system in which the academic year is divided into two instructional semesters of approximately 15 weeks each. The academic year (fall, spring) begins in late August and concludes in mid-May, with a vacation break between the semesters. Courses are offered online during the vacation break starting after fall courses have ended and finishing prior to spring courses starting. A full slate of courses is offered during the summer semester. Students enrolling in the University for the first time may do so before the beginning of any semester.

Student Conduct Code (BEAR Code)

Please see the Student Code of Conduct (Bear Code) located on the Dean of Students website: www.unco.edu/dean-of-students/. All graduate students are subject to the Student Code of Conduct without regard to the mode of course or program delivery.

Transfer Credit

Transfer of Graduate Credit from Other Institutions of Higher Education

Students must complete at least 50% of their graduate program credits at UNC, not including research, capstone, seminar, internship/externship/practicum, thesis, dissertation proposal (797), dissertation (798, 799) and any credits graded with S/U (P/F). Graduate program faculty are responsible for reviewing any proposed transfer credit to ensure that course content and objectives match program content. Credit that does not match program content should be denied for transfer. Prior research, proposal, thesis, dissertation, seminar, or special topics credits are not eligible for transfer. Courses transferred are not calculated into a student's cumulative UNC GPA.

Transfer credits completed at other institutions of higher education or U.S. military schools must meet the criteria listed below:

- Courses requested for transfer must be at the equivalent level of UNC graduate credit (500-700-level credit at UNC);
- Courses requested for transfer must be relevant to the respective UNC graduate program;
- Courses requested for transfer from a U.S. university must have been completed at an accredited institution with a grade of C or higher unless the UNC graduate program requires a grade higher than C;
- Courses requested for transfer must not be more than 5 years old for Masters credit and not more than 8 years old for doctoral credit;
- Courses requested for transfer cannot have been used to fulfill requirements for a previously awarded degree.

Credits earned from institutions outside the United States must additionally meet one of the following criteria to be eligible for transfer:

- The institution is a recognized part of the system of higher education of another country and offers programs of study equivalent to graduate degree programs at UNC
- A UNC graduate student completed credits as part of a recognized study abroad program through UNC

Transfer credit process:

A student must:

- complete the graduate transfer credit form
- receive the approval of their program advisor and department chair or school director
- submit the approved form to the Graduate School

Transcripts received from other academic institutions are the property of the University of Northern Colorado. Transcripts submitted to the University of Northern Colorado for admission or credit transfer become the property of the University of Northern Colorado and will not be returned to students, forwarded to third-party recipients or other educational institutions. Students who've completed graduate level coursework through a military school must submit a Joint Services Transcript (JST) or official military service school transcript.

Student Complaints

If a disagreement regarding the transferability of credits for coursework or a degree occurs between a student and the institution, the Colorado Department of Higher Education will facilitate an expeditious review and resolution of the matter. Complaints can be filed at higher.ed.colorado.gov/filing-student-complaint. The Colorado Commission on Higher Education shall have final authority in resolving transfer disputes.

Transcripts

Official transcript requests are made through the Office of the Registrar. There is a fee for each transcript ordered. Appropriate request procedures and fee payment options are outlined at www.unco.edu/registrar/etranscripts.aspx.

Educational institutions or third party transcript processors who are requesting official UNC transcripts on behalf of a student must submit the following:

- A third party records release signed by the student, no digital signatures will be accepted, which includes the student's name, previous names, dates of attendance, date of birth, and last 4 digits of the SSN (optional).
- A third party may use its own record release form if it provides all the information listed above. UNC's release form can be found at www.unco.edu/registrar/pdf/3rd-party-release-form.pdf.
- For additional information on ordering and how to submit requests please visit: www.unco.edu/registrar/etranscripts.aspx.

Third parties who may request transcripts on behalf of students may include:

- Accredited educational institutions
- Transcript processing companies
- Military
- Law firms, legal counsel
- Government institutions

Third parties who may not request on behalf of a student:

- Parents
- Spouses
- Family members
- Private employers
- Others with no legitimate educational interest

The University of Northern Colorado retains the right to deny any third party request, in which the university feels the student would be best served by requesting their own transcripts.

University Withdrawal

Withdrawals

Website: www.unco.edu/registrar

Pursuant to U.S. Department of Education (34 CFR 668.22), notice of intent to withdraw at the University of Northern Colorado occurs when a student notifies the Office of the Registrar of their intent to withdraw (via telephone, in person, or through written notification).

The date a student notifies the Office of the Registrar of their intent to withdraw will be used as the official withdrawal date from UNC, unless otherwise noted below. Please note that if a student sends a letter to the Office of the Registrar to provide notification of intent to withdraw, the official withdrawal date is the date that the letter is received by the UNC Registrar. For further information see Add Drop and Withdrawal (unco.edu).

When withdrawing from a course(s), the student will be charged 100% tuition.

Voluntary Withdrawal

Individual Course Withdrawal

A student is a member of each course for which they register. Students are responsible for confirming their schedule online through the Student Tab in Ursa. Students may withdraw from individual courses in person at the Office of the Registrar or online through the Student Tab in Ursa. Withdrawal deadlines are published on the Office of the Registrar website and may be accessed through the Student Tab in Ursa by clicking on the "Your Course Drop/Withdrawal Deadlines" link. A student will be charged 100% tuition for each course from which they have withdrawn.

Complete Schedule Withdrawal

Students who wish to withdraw completely from all courses in the current semester, whether planning to return to UNC or not, must contact the Office of the Registrar at 970-351-4UNC (4862) to begin this process.

• Full Semester Courses

The first date to withdraw from individual courses is the first calendar day immediately after the drop deadline for full semester courses. The last date to withdraw from individual courses or request a complete schedule withdrawal from the Office of the Registrar is the Friday prior to Final Exam week. Respective full semester course withdrawal deadlines are published on the Office of the Registrar website.

• Withdraw Deadlines

The first date to withdraw from individual courses is the first calendar day immediately after the drop deadline Special Term/Short Course. Summer/Special Term/Short Course withdrawal deadlines are published on the Short Term Course List (unco.edu).

Current withdrawal deadline dates are published on the Office of the Registrar website.

UNC shall use a student's last documented date of academic engagement in an academically related activity in one or more courses as the official withdrawal date.

In some instances, a university official (e.g., Dean of Students personnel, Counselor) may provide notification to the Office of the Registrar of a student's intent to withdraw when circumstances prevent the student from following the standard withdrawal process.

Requests for information about withdrawal, such as the potential consequences of withdrawal, does not constitute an official notification of intent to withdraw from the University of Northern Colorado.

Withdrawals must be submitted by the complete schedule withdrawal deadline of the full semester. Withdrawals after the deadline will not be permitted. See the Special/Short-Semester Course calendar for courses that do not meet for the full semester.

Transcript Notation for Withdrawn Course(s)

A “W” appears on the transcript for each course from which a student withdraws.

Withdrawal from Graduate Program

A student who has been admitted to a Graduate program and decides not to attend or who attends and decides to leave the program must:

- Notify the Graduate School in writing in order to have their file closed.
- Notify the Office of the Registrar to initiate the withdrawal process and drop any registration for subsequent semesters.

Involuntary Withdrawal

Pursuant to University Regulations (3-2-305), UNC’s Behavioral Intervention Team (BIT) may also determine that it is necessary for a student to be Involuntarily Withdrawn from UNC for the protection of the Student and/or the UNC community.

Disciplinary Withdrawal

Students may be withdrawn administratively for disciplinary reasons, subject to the Student Code of Conduct (BEAR Code), pursuant to specific Outcomes outlined in (UR 3-2-203 (8)). In cases where a student is withdrawn for disciplinary reasons (i.e., University Suspension, University Expulsion), UNC will use the date that the institution terminates the student’s enrollment as the official withdrawal date. A notation will be added to a student’s academic record noting either expulsion or suspension and the date of termination of enrollment.

Transcript Notation for Disciplinary Withdrawal

- Events: Expelled or Suspended for Conduct
- Decision: 11/11/1111

Financial Aid Considerations for Withdrawals

A student with financial aid should contact the Office of Financial Aid at 970-351-4UNC (4862) prior to withdrawing to determine the effect of the withdrawal on financial aid. The website of the Office of Financial Aid may be found at www.unco.edu/financial-aid/applying-for-aid/current-student.aspx.

The Office of Financial Aid will use the official withdrawal date documented by the Office of the Registrar for the purpose of calculating the return of Title IV funds.

Students will receive a grade of "W" on the transcript for each course that has not been completed. The grade of "W" does not impact the student’s GPA. Grades for courses that have been completed during the current semester will remain on the transcript.

For more information on how your withdrawal will impact financial aid, please visit www.unco.edu/financial-aid/.

Housing and Residential Education and Dining Services Considerations for Withdrawals

Housing & Dining contracts are for the full academic year (both fall and spring semesters). You must remain in the University’s housing program if enrolled in 6 or more credits.

Housing and Dining Services will charge a daily rate (per diem) to students who withdraw from the University through the Drop Deadline (10th day of classes). After that date, students are charged in full for their room and board contract. For more information, please contact housing@unco.edu, diningservices@unco.edu, or visit www.unco.edu/living-on-campus/.

NOTE: The Housing deposit is non-refundable after the cancellation deadlines listed in the terms & conditions for Housing & Residential Education. The Housing deposit will be forfeited for all students that withdraw or are enrolled in fewer than 6 credits.

Withdrawal for Call to Active Military Duty

UNC will assist any student called to active military duty with reasonable accommodations to ensure the best possible transition to and from UNC. Depending on when during the semester the student is called to active military duty, different options may be available including university withdrawal, late withdrawal, late drops, or course incompletes.

Students are encouraged to work with the School Certifying Officials (SCOs) located in the Office of the Registrar in Bear Central at Campus Commons as a primary point of contact. SCOs can help students explore the options available to them. Contact email for the SCOs is va.sco@unco.edu.

University Withdrawal for Call to Active Military Duty During Term and/or Between Terms (Undergraduate Students):

Students seeking a complete withdraw and appeal of tuition charges as a result of being called to active military duty, should complete the Called to Active Military Duty Form.

NOTE: this form will require a copy of Title 10 or Active Duty Orders.

University Withdrawal for Call to Active Military Duty During Term and/or Between Terms (Graduate Students):

Students seeking a complete withdraw and appeal of tuition charges as a result of being called to active military duty, should complete the Called to Active Military Duty Form.

NOTE: this form will require a copy of Title 10 or Active Duty Orders.

Returning to UNC (Undergraduate Students):Admitted, but never attended:

If a student was admitted to UNC and did not attend due to deployment, they may be required to submit a new application for admission. For deferral information, please see link.

Attended UNC in the past:

If a student has attended UNC in the past, had to leave for deployment, and would now like to return, they will need to:

Complete the Returning Student Application to update student status.

The Returning Student Application asks which semester the student plans to return to UNC. Student should work with their academic advisor for registration and planning purposes.

If a student left UNC on academic probation or suspension see www.unco.edu/advising/probation-support.aspx.

Returning to UNC (Graduate Students):

Returning Masters and Specialists graduate students will be charged the Continuous Registration (p. 21) fee for up to one year. After one year of non-enrollment, these students must complete a Graduate Student Petition for Exception form, with the support of their program, requesting that their program be reopened.

Returning Doctoral graduate students will be charged the Continuous Registration (p. 21) fee for up to one year of non-enrollment. After one year of non-enrollment, these students must complete a Graduate Student Petition for Exception form, with the support of their program, requesting that their program be reopened.

Important note: If a student was admitted to UNC but was not able to enroll due to deployment, they may be required to submit a new application for admission and new supporting documents depending upon the original term of admission. Enrollment deferrals of up to one year beyond the original term of admission are allowed in such cases but must be arranged in advance; deadlines apply.

For questions about the return process (for students who have enrolled) or about obtaining an enrollment deferral

(for newly admitted students), please contact the Graduate School at 970-351-2831.

Veteran/Military-Affiliated Students

VA Education Benefits (Including the GI BILL®) are certified to the U.S. Department of Veterans Affairs (VA) by The University of Northern Colorado's School Certifying Officials (SCOs) in the Registrar's Office.

School Certifying Officials do not determine eligibility for benefits or approved education majors/programs. School Certifying Officials only report certifiable enrollment information to the VA.

For information on how to use VA education benefits at UNC visit the Office of the Registrar's website under the Veteran Services tab or click the link below:

<https://www.unco.edu/registrar/registrar-veteran-services/veterans-get-started.aspx>

Military Tuition Assistance Return Policy

Tuition Assistance (TA) is awarded to a student under the assumption that the student will stay enrolled at their current institution for the entire period for which the TA is awarded. If a student withdraws before the completion of a term, the student may no longer be eligible for the full amount of TA funds that they were originally awarded.

In order to comply with Department of Defense policies, the University of Northern Colorado will now return any unearned TA funds on a prorated basis. The prorated refund will be issued to the branch of military service that originally issued it. No refund will be issued to the student.

If a student stops attending due to a military service obligation, the University of Northern Colorado will work with them to identify if any solutions are available that will not result in a student debt for the returned portion.

For further assistance, please contact the SCOs in the Office of the Registrar, at Bear Central in the Campus Commons at (970) 351-4UNC (4862) or email va.sco@unco.edu

*Payment Deferral for VA Beneficiaries***Summary**

Per Title 38 U.S.C. §3679(e), as added by Pub. L. 115-407, §103(a), and as amended by Pub. L. 117-68, §2(b), beginning on August 1, 2019, the State approving agency requires educational and training institutions (ETI) to provide protections for any covered individual using U.S. Department of Veterans Affairs (VA) educational assistance under Chapter 31, Chapter 33, or Chapter 35 of Title 38 U.S.C..

Provision of the Law

1. For each semester of enrollment, protection for covered individuals begins when the student provides the school with a Certificate of Eligibility (COE) or statement of benefit. If a covered individual is unable to meet their financial obligations to the institution due to the delayed disbursement of a payment to be provided by VA, the institution:

- a. Cannot prevent a covered individual from attending or participating in the course of education.
 - b. Cannot deny a covered individual access to classrooms, libraries, or other institutional facilities.
 - c. Cannot coerce a covered individual to borrow additional funds.
 - d. Cannot charge covered individuals late fees or penalties.
2. The protections for a covered individual end when VA makes payment or 90 days after the date the school certified tuition and fees, whichever is earlier.

Additional Required Actions

38 U.S.C. §3679(e)(4) details additional actions that may be required of a covered individual to remain enrolled in a course of education pending receipt of tuition and fees.

The University of Northern Colorado requires that a covered individual must submit a written request to use such entitlement each semester. This written request is referred to as a Veteran's Certification Request (VCR), and can be found on all students' URSA portals under the Student tab.

PROGRAM REQUIREMENTS

Program Information

Advising

Each student will be assigned an academic advisor upon acceptance into a graduate program. Only members of the graduate faculty are authorized to serve as program advisors for graduate students. The program advisor is responsible for helping students be aware of and understand the expectations and requirements of their academic programs (e.g., degree requirements, deadlines, program and University policy). Program advisors are responsible for assisting students with questions regarding their academic programs and professional guidance. These responsibilities include explaining Graduate School policies and procedures, expectations for comprehensive examinations, theses, doctoral scholarly project, or dissertation, and internships, as guided by program, department, school, university and Graduate School as well as professional conferences and publications. Any deviations from published program requirements or plans of study are communicated to the Graduate School, in writing, by the program advisor to assist the graduation check process. It is the responsibility of the school/department to notify the Graduate School of the advisor assignment and any change in advisor assignment.

The importance of the program advisor cannot be overstated. Program advisement includes all aspects of students' present and future academic and professional planning. It is often the program advisor who is able to help students conceptualize their academic program within the context of their own professional goals and aspirations. This responsibility is likely to involve extensive discussions of academic or professional goals well beyond the current program.

Change of Catalog Term

A student may change at any time to any subsequent catalog year as long as they attended UNC during that academic year. This change requires academic advisor approval. If a student's major or minor has changed names in the subsequent catalog, the student must complete a Change of Program form.

Comprehensive Examinations

Also see specific degree requirements. Records of written comprehensive examinations are maintained in the program area for a period of 12 calendar months. These examinations are confidential and available only to the student who completed an exam and program or school faculty to address potential appeals and/or questions of

administration and grading procedures. Students may request to review their comprehensive examination but may not be allowed access to written responses of other students. Program faculty may use past comprehensive examination responses as models for instructional purposes as long as all student identifications are removed by faculty.

Graduation

Degrees and majors are approved through the Colorado Department of Higher Education. Students may not pursue both an undergraduate and a graduate degree program simultaneously without prior approval from both the Office of the Registrar and the Graduate School.

Application for Graduation

Students who intend to graduate must apply for graduation through the Graduate School. A \$50.00 non-refundable graduation application fee will only be charged one time per degree and is applied to a student's account.

To apply:

- Application for Graduation in a Doctoral Program - unco.co1.qualtrics.com/jfe/form/SV_6SG6Bm3mpFbqstv
- Application for Graduation in a Master's/Specialist Program - www.unco.edu/graduate-school/student-resources/preparing-for-graduation/

Retroactive Degree Conferral

Students should apply for graduation in the term in which they expect to complete their degree requirements. Students who do not apply for graduation will not have their degree conferred.

Students who did not apply for graduation in the term in which they completed their requirements must submit a Retroactive Degree Request form to the Office of the Registrar to request that their degree be conferred. The Office of the Registrar, in consultation with the Provost's Office, will verify whether all degree requirements were met.

If the request is approved, the degree will be conferred retroactively using the conferral date from the term when the last degree requirement was completed. An annotation will be included on the student's transcript to reflect when the retroactive degree conferral date was recorded.

The current graduation application fee will be assessed to the student's account.

Graduation Requirements

Graduation requirements are checked in accordance with the UNC Graduate Catalog and Degree Works. The student must specify the Catalog under which they wish to have their degree requirements be evaluated and must meet all published degree requirements in that Catalog. The Catalog used to meet degree graduation requirements is normally the one published for the academic year during which the student first enrolls after admission to the university.

The student may select any subsequent Catalog up to and including the current one, provided the student was in attendance at the university during that academic year. However, a student may not choose to meet partial requirements in one version of the Catalog and other requirements in another version of Catalog. See University Catalog Policy.

To graduate in any given semester:

- The student must submit a complete application for graduation to the Graduate School by the published deadline, and
- All graduation requirements must be completed (with relevant documentation submitted to the Office of the Registrar and Graduate School, as necessary) by the Wednesday prior to the date that diplomas are released for the semester.

Degrees are not awarded during the Interim Winter Session; students who complete their graduation requirements in an Interim Winter Session are considered graduates of the subsequent Spring semester.

Participating in the Commencement Ceremony

In order to participate in a Fall or Spring commencement ceremony, doctoral students must have successfully defended their dissertation prior to the date of the commencement ceremony. In the case of summer graduates participating in spring commencement ceremonies, the student must be admitted to doctoral candidacy and, in the judgment of the student's research advisor, prepared and intending to defend in the summer term.

If students have not applied for graduation they will not appear on any graduation list. Students will not receive their degree diploma until they submit an application for graduation.

There is no Summer commencement ceremony; all Summer graduates are invited to participate in the Spring or Fall ceremony.

Degree Conferral Policy

UNC confers degrees after the conclusion of the Fall, Spring, and Summer terms. The official date of conferral will be listed on official transcripts and diplomas. The

conferral date is either the date of commencement (for Fall and Spring semesters) or the last day of the Summer semester. Transcripts and diplomas listing the final degree are typically available 4 to 5 weeks after the end of the term to allow time for the Office of the Registrar to verify that all degree requirements have been completed (See Semester Academic Calendar). Prior to the date final transcripts and degrees are available, a student who completes all requirements may request an official "Pending Conferral Letter" from the Office of the Registrar.

Academic records will be locked upon degree conferral. Under no circumstances will changes be made to the academic record after a degree has been conferred.

Diploma Release

Concentration and minors are not printed on the diploma. Only the degree and major(s) are printed on the diploma.

Diplomas will be released two weeks after the release of official transcripts.

Diploma mailing addresses must be updated/provided at least three weeks before the release of diplomas. If the student does not provide a diploma mailing address by that time, the student's diploma will be mailed to their permanent address. In the event there is no permanent address on file, the parent address will be used instead. If the student does not have an active mailing address on file, their diploma will be held for one year. After one year, a fee will be required to re-issue the student's diploma.

The student may change their Diploma Mailing address through the Update Addresses and Phones link up to three weeks before the diploma release date.

The student's diploma will not be released if the student has a hold on their account. If the student's hold is released after the release date of diplomas, please contact the Graduate School at grad.school@unco.edu or 970-351-2831

For exact deadlines, please visit the Graduate School website: unco.edu/graduate-school/student-resources/preparing-for-graduation/graduation-deadlines.aspx

Letter of Completion

Usually, an official transcript is proof of completion of a degree. If a student needs proof of the degree prior to the availability of official transcripts with degree indicated, the student may contact the Graduate School in writing, for a letter of completion. A letter of completion can be issued only after all the degree requirements have been officially verified as complete, including posting of grades for the current semester by the Registrar.

Petition for Exception

Graduate students may petition to be excepted from certain procedures, rules, policies, and requirements within the purview of the Graduate School. Students discuss the need for the Petition with their academic advisor prior to submitting the request to the Graduate School. Students may not file a petition for exception when they are actively engaged in the academic appeals process. The petition must include the specific policy or guideline from which the student desires to be excepted, a clear rationale for the exception, and a description of how the exception, if granted, would enhance the academic program, allow the continuation of a productive academic program, allow recovery from lost opportunity due to health or traumatic events or allow the student to profit from unique educational opportunities impeded by Graduate School regulations. Requests for an extension of program time limit, must document the specific academic and degree requirements to be completed and provide a detailed timeline for each task to be completed. Students are permitted to modify their petition timeline one time by communicating the rationale for the modification to the Graduate School. The Graduate Dean or Associate Dean must approve the modification. If a student misses a deadline for a requirement listed on the timeline, the Graduate School will close the student's program. Similarly, students submitting an application to be readmitted to their degree program following program deactivation (e.g. failure to continuously enroll for 3 consecutive semesters) must indicate the degree requirements to be completed and a specific timeline for completion. If the student misses a deadline for a requirement, the Graduate School will close the student's program. One timeline modification is allowed and must be communicated to and approved by the Graduate School. Signatures of the program advisor and school director or department chair are required on this form prior to submitting the request to the Graduate School. Faculty signatures indicate approval of and support for the request. Petitions submitted without the required signatures will be returned to the student. The *Graduate Student Petition for Exception* form is available on the Graduate School website.

Program Termination

A student's degree or certificate program may be terminated for one or more of the following reasons:

- The major school/department recommends that the student's program be terminated based on an overall evaluation of the student
- The graduate student has not maintained a cumulative grade point average of 3.00 in graduate level courses. A graduate student may not graduate with a cumulative grade point average below 3.00. If student's cumulative grade point average drops below 3.00 after taking at

least 9 graduate level credit hours, a warning letter will be sent to the student. The degree program of a student who has been sent a warning letter will be terminated if the student's grade point average is below 3.00 after completing an additional 9 or more graduate level credit hours in which grades of "A," "B," "C," "D," or "F" are earned. All grades earned during the semester which the 9th hour is earned are used in the calculation of the grade average;

- The student fails the retake of the written comprehensive examination or its approved equivalent as reported to the Graduate School by the student's program;
- The student fails the retake of the oral comprehensive examination as reported to the Graduate School by the student's program;
- The student fails to meet the "may pass" conditions stipulated after the dissertation defense or oral comprehensive exam; or
- The student submits an unsatisfactory thesis, dissertation or doctoral scholarly project as determined by the student's program and the Graduate School.

The following procedures must be followed prior to submitting a recommendation to discontinue a graduate student's program for causes other than poor academic performance:

- The student must be informed of the pattern of behavior or incident(s) that has given rise to concern among the school/department faculty members and that led to the recommendation for program discontinuation. These concerns should be documented or, in the case of doctoral students, noted in the student's annual progress review.
- A masters student must be given an opportunity to meet with and address the observed behavior or incident with the student's advisor or program coordinator. A doctoral student must be given an opportunity to meet with the school/departments Graduate Program Committee (GPC), Review and Retention Committee (or similar committee with program oversight), or with the student's doctoral committee for school/departments with no graduate program committee. Following the meeting, the GPC or doctoral committee must either reassert the concerns or withdraw the concerns in writing to the department chair or school director.

If the complaint arises from an unprofessional behavior or other behavioral concerns, the student will be given a clearly defined probationary period during which clear behavioral objectives are provided to either rectify the concerns or change the behavior. Clear means of assessing improvement will be provided.

Program faculty may recommend immediate program termination if the complaint results from an egregious violation of laws or published university or school/department policy, egregious violation of rules or professional ethics, or violation of research integrity. In such cases, the program must meet with the student and allow the student to rebut the concerns. If the program faculty believe that remediation is not appropriate, then they may recommend program termination. The program must provide clear documented evidence of violations to the Graduate School with the recommendation for program termination.

Readmission Subsequent to Program Termination

A student whose degree program has been terminated may be considered for admission to a different degree program. Students may not reapply or be readmitted to the terminated program. The following policies apply:

- The student must apply for admission to a different degree program.
- If admitted, the student must complete all standard requirements of the program to which they have been admitted.
- A maximum of 9 semester hours from the terminated program may be counted in the new program if approved by the new program advisor and the Graduate School.

If the student's former program was terminated due to failure of the retake of the comprehensive examination or its equivalent, the student will be allowed only one opportunity to pass the comprehensive examination or approved equivalent in the new program.

Research Involving Human Subjects

Institutional Review Board (IRB)

Before any research involving human subjects can be conducted under the auspices of the university, an Institutional Review Board (IRB) review is required. Data from human subjects are not to be collected until *written approval is received* by the student from the University's Institutional Review Board. The main considerations and responsibilities of the IRB are to assure that ethical standards and the protection of human rights are maintained in any research conducted while the student is enrolled at UNC.

Researchers are advised to obtain and submit an IRB application early in their research process to allow time for a thorough review. Information about UNC's IRB's process and the link to Streamlyne (the web-based IRB application portal) can be found on the Office of Research and Sponsored Programs website:

<https://www.unco.edu/research/research-integrity-and-compliance/institutional-review-board/streamlyne-for-unc-users.aspx>

Student Liability

To protect against liability claims, all research involving subject consent requires a statement informing potential subjects that their participation is not covered by university liability insurance. The subject consent form must include the following statement:

If injuries occur during the course of research, subjects are advised that the University of Northern Colorado is a publicly-funded institution of higher education and as such, liability may be limited under and governed by the Colorado Governmental Immunity Act.

The State of Colorado's Risk Management Division (the unit responsible for UNC's liability insurance) has concluded that student researchers are not protected by the state against claims unless they are student employees, interns, or authorized volunteers assigned to a research project (most student researchers would not be). This means that most graduate students working on their master's theses or doctoral dissertations are not protected by the state of Colorado against claims resulting from their research.

This decision has serious implications for student researchers who are working with human subjects. Any student researcher who is placing subjects at some level of risk should be concerned. For example, student researchers are engaged in a variety of activities that could potentially harm their subjects (e.g., they draw blood, conduct therapy sessions, and evaluate physical conditioning). Regardless of how responsible researchers may be, accidents can happen. Though the researcher is ultimately responsible for the health and safety of research subjects, low risk research, as defined by Health and Human Services (HHS) Guidelines and described in the *Procedures for Research Involving Human Participant*, may not be recommended for special liability insurance coverage.

For moderate to high risk procedures, the IRB committee will strongly recommend that student's purchase liability insurance either through a professional association or an alternative source.

Master's Degree Requirements

Drop of a Double Major

A student with a double major may drop one of the majors before taking either comprehensive examination only if they have a UNC grade point average of at least 3.00 in the major being dropped. Once a student has taken the comprehensive examination for one of the majors, neither major can be dropped.

Courses and Credit Hours

The university requires a minimum of 30 semester hours for a master's degree. This includes at least 24 semester

hours of discipline content courses. Chemistry and Biological Sciences master's programs require a minimum of 20 semester hours of discipline content courses. Programs may have requirements that exceed the minimum standards established by the university.

A maximum of three semester credits of 513 (Professional Renewal) may be counted toward the master's degree.

Program Requirements

Thesis Committee

Master's students' thesis committee is comprised of at least two members from the student's school/department who hold current Graduate Lecturer, Graduate Faculty or Graduate Faculty with the Doctoral Research Endorsement status.

Master's Thesis in Lieu of Comps

Whether the master's thesis is to be completed as an additional program requirement or as a project in lieu of the written comprehensive examination, a thesis committee is required. If the thesis is in lieu of the written comprehensive examination, school/department procedures for determining eligibility are used prior to conducting the thesis research. Thesis committee members must sign the final document indicating successful completion of the thesis.

If the master's thesis is required in addition to the comprehensive examination, the student needs to submit the thesis signed by two graduate faculty members to the Graduate School upon completion for an editorial review. The Graduate Dean will be the final approval signature on the thesis.

Students must complete six (6) to twelve (12) credit hours of thesis (699) for a master's degree. The total number of credits required for completion of a thesis is determined by the program. The total number of thesis credits (699) required by a program is listed in the graduate catalog.

Students completing a thesis must complete Responsible Conduct of Research training and comply with IRB or IACUC policies: www.unco.edu/research/research-integrity-and-compliance/institutional-review-board/.

Written Comprehensive Examinations

Each master's degree student must pass a written comprehensive examination or otherwise show competency in the discipline by successfully completing a specified equivalent that has been approved by the Graduate Council (thesis or project in lieu of comprehensive examinations). Defense of a project or thesis in lieu of comprehensive examinations is equivalent to administering the comprehensive examination.

School/department faculty are responsible for determining the student's eligibility for taking the examination as well as scheduling the time, date, and place of the examination. This examination or its approved equivalent may not be taken until the student has:

- been granted admission to the program
- completed school/department-specified course requirements
- maintained a GPA of at least 3.0 in their program
- received approval from the program advisor

If a student did not meet the minimum standards for admission and was admitted with additional academic requirements, then the program must notify the Graduate School that the student met those requirements before the student takes the comprehensive exam. The Graduate School will not record results of the comprehensive exam until receiving confirmation that the student met academic requirements.

A student must be in compliance with the continuous enrollment policy in the semester the student takes a comprehensive exam.

Application

The student will apply in the academic school/department office for the written comprehensive examination or to defend the thesis before the thesis committee. The comprehensive examination permit is valid only for the semester that it is issued. The program advisor must be consulted for information regarding examination format, procedures, time, date, and place.

Students should not wait until they have been notified of comprehensive examination results before applying for graduation. If the student plans to graduate at the end of the semester in which they take the comprehensive examination or complete the approved equivalent, the student must apply for graduation within the published deadlines.

- Once the comprehensive examination session begins, it is considered a take of the examination. If the student leaves the examination session and does not return, the examination will be considered taken and the exam will be evaluated accordingly and reported to the Graduate School.

Results

- Once the examination has been evaluated or the project/thesis has been defended, the program advisor must return the signed report form to the Graduate School indicating a pass or failure of the examination. If the student plans to graduate, submitting the comprehensive exam result must be done on or before the published deadline to submit the results of the written comprehensive examination for that semester.

Program advisors should provide students with their individual examination results.

- A retake may not be scheduled during the same semester during which the original examination was completed. Failure of the retake of the examination or its equivalent will result in the termination of the student's degree program.
- Results must be reported to the Graduate School within one semester or be retaken.

Filing the Thesis

- All students must follow the program and Graduate School guidelines for writing the master's thesis, found on our website at www.unco.edu/graduate-school/student-resources/current-students/thesis-capstone-dissertation-resources.aspx.
- After committee members sign off on the thesis, an electronic copy of the thesis and two (2) original signature pages should be submitted to the Graduate School for an editorial review and dean's approval at least 4 weeks, (28 calendar days) prior to the requested graduation date. The Graduate School shall give the student all changes and corrections that must be made before the student turns in the final thesis. The Graduate School will confer the student's degree once we have received the final version of the thesis has been approved and the student has uploaded the document to Digital UNC. The Graduate School does not require students to submit hard copies for binding. If you would like to have a copy of the thesis bound, the Graduate School can provide information on vendors who do this work. More detail about the final submission procedures can be found on the Graduate School website www.unco.edu/graduate-school/student-resources/current-students/filing-your-thesis-capstone-dissertation.aspx

Plan of Study

The program listed in the UNC Graduate Catalog will serve as the plan of study for master's programs.

The Course Adjustment Form, onbase.unco.edu/GraduateSchool/CourseAdjustment for requesting changes or substitutions to the student's degree requirements must be signed by the program advisor and submitted to the Graduate School. Students should take the responsibility to make sure any deviations from the Catalog are documented in their Degree Works audit.

Research Requirements

Students must complete at least one course in research methodology designated as appropriate to the discipline and approved by the Graduate Council. Courses numbered XXX 622 (Directed Studies) shall not be used as a substitute for the research course.

The Graduate School will not waive this requirement but can approve an appropriate substitute research methodology course. The program advisor must provide a written request to substitute an alternative course, a syllabus for the course, and rationale for the requested substitute to the Graduate Dean in the form of a "Graduate Student Petition for Exception". If the student earned a graduate degree from an accredited institution within the last five years in which an equivalent research course was taken, the program advisor must provide a written request to waive the UNC research requirement based on the previous course work completed.

Graduation Application

It is recommended that all master's students apply for graduation www.unco.edu/graduate-school/student-resources/preparing-for-graduation/ no later than the end of the semester preceding the semester during which a student plans to graduate. The schedule of deadlines for the Graduate School can be found at www.unco.edu/graduate-school/student-resources/preparing-for-graduation/graduation-deadlines.aspx. The student has the responsibility for determining that the application has been filed with the Graduate School. The Graduate School will not process a graduation application that is not signed by the student and program advisor.

If the student does not complete all requirements for the degree and, therefore, does not graduate at the end of the proposed semester, the application will be placed in the deferred file. The student must give written notice to the Graduate School when they wish to appear again on the tentative list of graduates.

All graduating students are encouraged to attend graduation. Those students participating in the graduation ceremony are required to wear appropriate academic regalia. Diplomas are not issued at the graduation ceremony. All Graduate students must complete a *Diploma Request Card* at unco.co1.qualtrics.com/jfe/form/SV_eFKGypwCVx5gmji. The diploma will be mailed to the address provided by the student on the *Diploma Request Card*. Failure to provide a current mailing address could result in a delay in receipt of the diploma. No diploma will be issued until all requirements for graduation have been met.

Time Limit

The maximum time allowed for the completion of the master's degree is five calendar years beginning with the first semester of enrollment after admission has been granted.

Specialist Degree Requirements

Courses and Credit Hours

A student entering a specialist degree program who possesses a master's degree must earn a minimum of 30 semester hours of graduate credit beyond the master's degree. A student entering a specialist degree program who possesses only a baccalaureate degree must earn a minimum of 60 semester hours of graduate credit beyond the baccalaureate degree. Programs may have requirements that exceed the minimum standards established by the university.

Plan of Study

In conjunction with the supervising committee, each specialist degree student must follow a plan of study that clearly specifies core requirements and identifies elective, transfer, and double numbered course work. The student's Degree Works page should display the plan of study.

The plan includes all course and non-course requirements published in the Graduate Catalog. As of spring semester 2024, the Graduate School will no longer accept or process a Plan of Study form separate from the student's Degree Works page. **Any changes or additions to the program course requirements or electives must be submitted to the Graduate School using the course adjustment form.**

Students should take the responsibility to make sure any deviations from the Catalog are documented on their Degree Works audit.

Research Requirements

Specialist research policy

Students must complete at least one course in research methodology designated as appropriate to the discipline and approved by the Graduate Council. Courses numbered XXX 622 (Directed Studies) shall not be used as a substitute for the research course.

The Graduate School will not waive this requirement but can approve an appropriate substitute research methodology course. The program advisor must provide a written request to substitute an alternative course, a syllabus for the course, and rationale for the requested substitute to the Graduate Dean in the form of a "Graduate Student Petition for Exception". If the student earned a graduate degree from an accredited institution within the last five years in which an equivalent research course was taken, the program advisor must provide a written request to waive the UNC research requirement based on the previous course work completed. In such cases, students must replace the waived credits with another course.

Comprehensive Examinations

Each specialist student must pass a written comprehensive examination in the area of specialization and pass any other examination(s) the supervising committee may require. The written comprehensive examination may not be taken until the student has:

- been granted regular admission to the program
- have a correct plan of study reflected in Degree Works
- completed at least 20 semester hours (50 semester hours if baccalaureate only student) of work applicable toward the degree, not including the practicum
- maintained a GPA of at least 3.0 in their program
- received approval from the program advisor

Supervising Committee

A two-person specialist supervising committee, recommended by the program, will supervise a student's specialist degree program. The supervising committee will assist the student in preparing a plan of study, submitting any course adjustments or transfer credits to update the student's course requirements in Degree Works, oversee comprehensive examinations where appropriate, and direct the student's practicum.

Graduation Application

It is recommended that all specialist students apply for graduation www.unco.edu/graduate-school/student-resources/preparing-for-graduation/ no later than the end of the semester preceding the semester during which a student plans to graduate. The schedule of deadlines for the Graduate School can be found at www.unco.edu/graduate-school/student-resources/preparing-for-graduation/graduation-deadlines.aspx. The student has the responsibility for determining that the application has been filed with the Graduate School. The Graduate School will not process a graduation application that is not signed by the student and program advisor.

If the student does not complete all requirements for the degree and, therefore, does not graduate at the end of the proposed semester, the application will be placed in the deferred file. The student must give written notice to the Graduate School when they wish to appear again on the tentative list of graduates.

All graduating students are encouraged to attend graduation. Those students participating in the graduation ceremony are required to wear appropriate academic regalia. Diplomas are not issued at the graduation ceremony. All Graduate students must complete a Diploma Request Card at

unco.co1.qualtrics.com/jfe/form/SV_eFKGypwCVx5gmji. The diploma will be mailed to the address provided by the student on the Diploma Request Card. Failure to provide a

current mailing address could result in a delay in receipt of the diploma. No diploma will be issued until all requirements for graduation have been met.

Time Limit

The maximum time allowed for completion of the Specialist in Education degree is six calendar years beginning with the first semester of enrollment after admission has been granted.

Doctoral Degree Requirements

Doctoral Minor

Doctoral minors consist of a minimum of 15 semester hours of course work in a discipline different from the doctoral program. Any school/department with at least one approved graduate degree program (master's, specialist, or doctorate) is eligible to offer doctoral minor(s). Proposals for doctoral minors are submitted through the university curriculum approval process. Upon approval, the doctoral minor will be listed in the university catalog.

Graduate students admitted to doctoral programs may, upon approval of their doctoral program advisor, select a minor program of study for inclusion in their doctoral program. Completion of the doctoral minor will be indicated on the student's transcript. Doctoral students who have been approved by the school/department to pursue a doctoral minor should ensure that the courses for the minor are included in their Degree Works. They may need to work with their program advisor to ensure course adjustments are submitted in a timely manner so the minor courses are added to Degree Works.

The credit hours associated with an approved doctoral minor count toward the total doctoral degree program hours required only when they overlap with electives or research core requirements. No course is allowed to count for double credit hours. Student is not allowed to pursue a minor offered under the same program name as the doctoral program to which they are admitted. To complete a minor, the student must first be officially admitted to a doctoral degree program.

Second Doctorate Guidelines

Double majors are not permitted at the doctoral level. A student may receive a second doctoral degree from UNC provided that the requirements for the first doctoral degree have been completed before initiating the second degree program and provided that no course work from the first degree is counted toward the second degree.

Courses and Credit Hours

Credit Hours

A student entering a doctoral program who possesses a master's degree must earn a minimum of 64 semester hours of graduate credit beyond the master's degree. This includes a minimum of 48 semester hours of graduate level discipline content courses and 16 semester hours of research credit.

A student who possesses only a baccalaureate degree must earn a minimum of 94 semester hours of graduate credit beyond the baccalaureate degree (required total semester hours can vary depending on the degree program). This includes a minimum of 78 semester hours of graduate level discipline content courses and 16 semester hours of research credit.

A student who possesses a master's degree but who is attempting to obtain a second master's degree enroute to a doctoral degree must meet the same credit hour requirements as the baccalaureate only student.

A student who possesses a specialist degree may count a maximum of 21 semester hours of specialist work in the doctoral program with the approval of the Graduate School and program advisor. Schools may have requirements that exceed the minimums established by the University.

Doctoral Committee

Each doctoral student must have a Research Advisor and a doctoral committee appointed. For Ph.D., Ed.D., and D.A. students, a committee must be appointed *before* the written comprehensive exam is taken. Clinical doctoral programs that do not require comprehensive exams must appoint the doctoral committee at the point a student begins proposal research.

At minimum, a doctoral committee for Ph.D., Ed.D. and D.A. students must consist of:

1. a Research Advisor, who must be from within the program/discipline area and must hold a current Doctoral Research Endorsement [DRE] status. Faculty wishing to continue to serve as Research Advisor after retirement must hold a current Retired Graduate Faculty status with DRE (RGF/DRE).
2. one additional faculty Committee Member from within the program/discipline area;
3. one additional faculty Committee Member from within a related discipline or area of inquiry;
4. a Faculty Representative (needs to be outside the program discipline).

Doctoral scholarly project committees require a minimum of three committee members to include a research advisor, an additional committee member from the program or

related discipline and a third faculty member or approved clinician.

All Committee Members and Faculty Representative must hold a current Graduate Faculty (GF) status. The doctoral committee is subject to the approval of the program advisor and the Graduate School.

The student and all members of the Doctoral Committee will receive confirmation of the approved committee assignments. Unless the student or Research Advisor informs the Graduate School or the Graduate School informs the student of the need for a change, the doctoral committee membership will remain the same from the written comprehensive examination throughout the dissertation or doctoral scholarly project research stages of the program.

The Graduate School reviews and confirms the membership of student's doctoral committee each time a *Request to Schedule the Doctoral Examination* (oral comps and dissertation defense) is submitted and upon submission of the student's dissertation proposal.

While the research advisor is the primary mentor of the student in conducting research and writing the dissertation, the entire committee is responsible for ensuring the academic rigor of the dissertation. Each member of the committee should provide guidance and feedback from their respective disciplinary view point. Each member of the committee has editorial responsibility to ensure that a student's dissertation follows the chosen style manual in formatting and citations. Doctoral committees should meet with doctoral students at least one time per year to receive a progress update from the student and file a progress report with the Graduate School. If, in the view of the research advisor or committee members, a student is failing to make adequate progress, the committee may compose an agreement between the committee and the student with milestones for adequate progress and deadlines. If the student does not meet the expectations and deadlines for adequate progress, the doctoral committee may recommend program termination.

The Graduate Dean charges the Faculty Representative with upholding the standards and expectations of the Graduate Faculty. The faculty representative is a full voting member with all the rights and responsibilities of any other member and must be present at the student's oral examination, proposal hearing, and final dissertation defense. The faculty representative must hold Graduate Faculty status. The faculty representative is expected to actively contribute conceptual, theoretical, methodological and/or academic expertise from an alternative disciplinary perspective and provide an impartial evaluation of the student's academic work.

No faculty member will be appointed to a doctoral committee without their consent. University faculty who have not been appointed Graduate Faculty, Clinical

Graduate Faculty, Doctoral Research or Retired Graduate Faculty status by the Graduate Council shall not be appointed as members of doctoral committees. An Honorary member is not required, but is allowed when an off campus faculty member with research expertise related to the study is requested. An Honorary committee member must apply for and receive Graduate Faculty Equivalence status. The Honorary committee member is a full voting member with all the rights and responsibilities of other members of the committee and must be present at the student's doctoral oral examination, dissertation proposal and dissertation defense.

Any change of membership or role (faculty rep, co-research advisor, committee member) requires a change of committee membership form to the Graduate School www.unco.edu/graduate-school/pdf/Change-Committee.pdf. Changes to the membership of a doctoral committee should be rare and made only after the student and the research advisor have consulted. Students who wish to replace a committee member are urged to communicate the desire and rationale for the change directly to the specific faculty member in person. If a committee member or faculty representative is unable to be present during an oral examination, proposal hearing or dissertation or doctoral scholarly project defense, the program area shall appoint an eligible member of the graduate faculty to replace the original committee member on the student's doctoral committee. The Graduate School must be notified of the replacement before the oral exam, proposal hearing or final defense. If a replacement cannot be appointed prior to the examination, proposal or defense, the exam must be rescheduled for a future date. The concerns and recommendations of all committee members, including the faculty representative, are crucial to the dissertation approval process.

Any change of membership or role (faculty rep, co-research advisor, committee member) requires a change of committee membership form to the Graduate School www.unco.edu/graduate-school/pdf/Change-Committee.pdf. Changes to the membership of a doctoral committee should be rare and made only after the student and the research advisor have consulted. Students who wish to replace a committee member are urged to communicate the desire and rationale for the change directly to the specific faculty member in person. If a committee member or faculty representative is unable to be present during an oral examination, proposal hearing or dissertation or doctoral scholarly project defense, the program area shall appoint an eligible member of the graduate faculty to replace the original committee member on the student's doctoral committee. The Graduate School must be notified of the replacement before the oral exam, proposal hearing or final defense. If a replacement cannot be appointed prior to the examination, proposal or defense, the exam must be rescheduled for a future date. The concerns and recommendations of all committee members,

including the faculty representative, are crucial to the dissertation approval process.

Faculty Committee Load Policy

An individual graduate faculty member may serve on ten active doctoral research committees at any one time and may serve as the research or co-research advisor on no more than five of these ten committees. Exceptions to the committee maximums may be permitted only if agreed to by the graduate faculty member, school director or department chair and college dean as follows:

- The faculty member involved agrees that their load (current or projected) allows adequate time to take on an additional student without adversely affecting the responsibility of the school/department to other students and to programs offered by the school/department.
- The school director or department chair approves the additional student. Approval indicates that the director has reviewed the current load of the faculty member and does not feel the additional load will adversely affect the responsibility of the school/department to other students and to programs offered by the school/department.
- The Graduate Dean has approved the exception(s).

An individual school/department may elect to impose more stringent limitations on its faculty with respect to the number of committees on which they may serve. "Active doctoral student" is defined as one who is currently enrolled.

Plan of Study

Student's program advisor, appointed and approved by the major school/department, shall supervise the planning of a student's doctoral degree program. In conjunction with the appointed advisor, each doctoral student must prepare a long-range plan of study that clearly specifies core requirements, elective, transfer, double-numbered coursework, and if applicable, research tools and doctoral minor.

Doctoral degree student must follow a plan of study that clearly specifies core requirements and identifies elective, transfer, and double numbered course work. The plan includes all course and non-course requirements published in the Graduate Catalog. The student's Degree Works page should display the plan of study.

As of spring semester 2024, the Graduate School will no longer accept or process a Plan of Study form separate from the student's Degree Works page. **Any changes or additions to the program course requirements or electives must be submitted to the Graduate School using the course adjustment form.**

Students should take the responsibility to make sure any deviations from the Catalog are documented on their Degree Works audit.

Changes to the Plan of Study must be approved by the advisor and submitted in writing to the Graduate School on the course adjustment form found at www.unco.edu/graduate-school/student-resources/current-students/graduate-school-forms.aspx. Students should take the responsibility to make sure any deviations from the Plan of Study are documented on their Degree Works audit.

Comprehensive Examinations: Written

All examinations and the defense of the dissertation must be scheduled with the approval of all committee members. They may not be performed on weekends or when the University offices are closed for holidays. The Graduate School discourages the scheduling of written comprehensive exams prior to the start of classes each term.

Each doctoral student must pass a written comprehensive examination that is designed, administered, and evaluated by the graduate faculty of the major school/department and by other qualified individuals as specified by the research advisor. A student must maintain enrollment in the program and have active status at the time of the examination. A student on an approved Leave of Absence is not permitted to complete a comprehensive exam during the LOA period. This examination may not be taken until the student has:

- been granted regular admission to the degree program;
- filed an approved plan of study;
- completed at least 36 semester hours (60 semester hours if baccalaureate only student) of work applicable toward the degree -- at least 24 semester hours must be UNC credit;
- maintained active status in the program;
- maintained a grade point average of at least 3.00 in their graduate degree program;
- a doctoral committee appointed by the Graduate School;
- obtained approval from the research advisor to take the exam.

The major school/department is responsible for scheduling the date, time, and place of the written comprehensive examination(s). Each student must check the school/department requirements at the beginning of their program of study. Written comprehensive examinations may not be performed on weekends or when University offices are closed for the holidays.

For comprehensive examinations that are timed, once an exam session begins, it is considered a take of the examination. If the student leaves the examination session and does not return or does not complete the exam during the allotted time frame, the examination will be considered taken and the exam will be evaluated accordingly. For take-home examinations that are not strictly timed, the school/department should determine a starting time/date and ending time/date during which the student must complete the exam.

Once the examination has been evaluated, the program advisor must submit a signed report form to the Graduate School indicating a pass or failure of the examination by the deadline established for that semester by the Graduate School.

The results of the written comprehensive examinations must be reported to the Graduate School no later than the semester following the examination or the Graduate School may require a repeat of the examination. Results of the written comprehensive examinations will not be recorded if the student's program is inactive because of non-enrollment or if the student is currently on an approved Leave of Absence.

A retake may not be scheduled during the same semester that the original examination was completed. Failure of the retake of the examination or its equivalent will result in the termination of the student's degree program.

Electronic Attendance Policy

Doctoral students' oral comprehensive, proposal and final dissertation/doctoral scholarly project defense examinations require the attendance of the student, all committee members, including the faculty representative, external and honorary members. Attendance, for the purpose of this policy, is defined as either a physical/in-person presence on campus or an electronic presence (e.g., telephone/conference call, video conferencing by online meeting platform).

- Electronic attendance by the student or committee members assume the technology is viable and works continuously throughout the examination of the student.
- Should the technology fail or be disrupted in any committee meeting (orals, proposal, or final dissertation/doctoral scholarly project defense) in excess of 15 minutes the Research Advisor and/or Faculty Rep must contact the Graduate School and reschedule the examination for a later date. In such cases, the student will not be subject to the two-week period required for public announcement of the examination. If the examination continues with failed technology for more than 15 minutes, the results will not be accepted by the Graduate School and the student

will need to reschedule and will be subject to the two-week period for public announcement.

Online and In-country programs

With the consent of their program, doctoral students, in programs delivered online or *in country*, are permitted to attend their oral comprehensive examination and dissertation/doctoral scholarly project proposal hearing electronically provided the doctoral research committee has, in advance of the hearing, received all necessary and relevant documents, visuals and or materials. Doctoral students, in online programs must attend the final dissertation defense, in person, on the main campus to allow attendance by members of the academic community. Doctoral students whose programs are delivered *in country* will defend their dissertation/doctoral scholarly project at a location determined by the doctoral program and Dean of the Graduate School.

Main campus programs: Consistent with the delivery method of their programs doctoral students enrolled in main campus programs must attend their oral comprehensives, proposal hearing and final dissertation/doctoral scholarly project defense, in person, on the main campus. In rare cases, doctoral students, with the support of their research advisor, may petition the Graduate School to be exempted from this policy to be permitted to attend *either* the oral comprehensive examination or the proposal hearing electronically. Doctoral students enrolled in main campus programs must attend their final dissertation defense in person, no exceptions.

Research Advisor/Co-Research Advisor for a student in online or main campus doctoral programs is expected to attend an advisee's oral comprehensives, proposal hearing and final dissertation/doctoral scholarly project defense, in person, on the main campus. The Graduate School (or designee) will consider a petition for exemption from this policy in limited circumstances (e.g., the Research Advisor is out of town on sabbatical leave). If the Research Advisor/Co-Research Advisor cannot be present in person on the main campus for an advisee's examination or defense, the Graduate School will, in most cases, require the examination or defense to be rescheduled.

Committee Members

All members of doctoral research committees (research and co-research advisors, program representatives, members from related disciplines, and external and honorary members) must be present at doctoral students' oral comprehensive examinations, dissertation proposal defense and final dissertation/doctoral scholarly project defense. No more than two of the four committee members may, attend the oral comprehensive examination and proposal defense via electronic means. Committee members must plan ahead and discuss the desire to attend

electronically with the doctoral student and the student's Research Advisor. The Research Advisor and doctoral student work together in advance of the examination or defense to secure the needed technology and space (room, conferencing number, etc.). The student will indicate and the Research Advisor will confirm committee members' electronic attendance on The Request to Schedule a Doctoral Examination form submitted to the Graduate School in advance of the examination. In the event of unforeseen circumstance or a weather related emergency, two of the four committee members may attend oral comprehensive examinations or proposal hearings electronically.

Comprehensive Examinations: Oral

After passing the written comprehensive examination, doctoral students must take and pass an oral comprehensive examination. The research advisor serves as chairperson of the oral comprehensive examination committee and directs the student to arrange the date, time and place of the oral examination with *all committee members*. After all arrangements are made, the student or program advisor will notify the Graduate School by forwarding a signed and completed *Request to Schedule a Doctoral Examination* form at least two weeks prior to the date of the examination.

In order for the Graduate School to approve a request for the student to take the examination, the following conditions must be met:

- The committee members and faculty representative must be the same as those approved by the Graduate School.
- The written comprehensive examination results must have been received and recorded by the Graduate School prior to requesting to schedule the oral comprehensive examination.
- A student must be in compliance with the continuous enrollment policy by being enrolled in at least one (1) graduate credit hour.
- The student's program must be active.
- The student must not be on an approved Leave of Absence.
- Annual progress review from program on file in the Graduate School for each year prior to students scheduling their oral exam.
- The Request to Schedule a Doctoral Examination must be turned in to the Graduate School at least two weeks (14 calendar days) before the requested date of the examination to allow the Graduate School to publicize the examination. Exceptions to this rule must be accompanied by an explanation of the late request from the Research Advisor and will be considered on a case

by case basis. No exam/defense will be allowed with less than one week prior notice.

The student is responsible for confirming the date and time of the examination with all of their committee members. If the committee needs to review any documents prior to the examination, the student should send materials to the committee at least two (2) weeks in advance. The Graduate School will approve and publicize the examination date, time and place in the Graduate School calendar or in any other appropriate university publication and forward a *Results of the Oral Comprehensive Exam* form to the student's Research Advisor.

Any examination which is not scheduled in advance through the Graduate School will not be recognized as valid and must be rescheduled.

All committee members and the faculty representative must be present at the examination or a substitute assigned according to the guidelines for Doctoral Committees. The student's performances on the examination will be evaluated as:

1. pass;
2. may pass when conditions are met (specific conditions and a timeline for completion must be recorded on the *Results of the Oral Comprehensive Examination* form before turning in to the Graduate School); or,
3. fail, with the option of "retake permitted" or "retake not permitted" which should be specified on the *Results of the Oral Comprehensive Examination* form before submitting it to the Graduate School. A decision not to permit a retake will result in the student's termination from the degree program. If the student does not pass during the first attempt of the oral comprehensive examination, and a retake is permitted by the committee, the retake may not be scheduled during the same semester that the original examination was completed. Only one retake is allowed. Failure of the examination retake will result in termination of the student's degree program.

At least three-fourths of the committee members must agree on the final evaluation.

All members of the UNC faculty are invited to attend and may ask questions of the student after the committee members finish their questioning. Other graduate students may also attend with permission from student's research advisor.

The results of the oral comprehensive examinations must be reported to the Graduate School no later than the semester following the examination or defense or the Graduate School may require a repeat of the examination.

Progress Review

Schools/departments are to evaluate and provide an annual program progress report for each doctoral student until the student passes the oral comprehensive examination.

Doctoral student advisors will be responsible for obtaining the following information for each assigned advisee:

- Student's self-evaluations of their academic performance and professional development,
- Student's grades in all graduate courses during the evaluation period,
- Performance ratings from instructors for all graduate courses during the evaluation period,
- Assessment of the student's professional development from appropriate school/department faculty. Based on the data collected, each doctoral advisor will meet with each student's doctoral committee to develop and provide a summary of the student's strengths and area(s) for improvement. Emphasis should be placed on acknowledging accomplishments and professional growth where appropriate.

Recommendations for improvement should include specific changes expected in the student's performance or behavior, means of assessing the changes, and the time period by which the change is expected to occur. Improvements or lack of change in areas recommended from prior progress reports should be documented. Signatures of the advisor is required on the progress report.

The progress report will include a clear recommendation to the school director/department chair of the Graduate Program Committee (GPC) of whether the student is to be continued each year without conditions, continued with conditions, or not supported for continuation. If conditions for improvement are stipulated, the student must be informed by the Graduate Program Committee (GPC), in writing, of the conditions and specific changes required to satisfy the conditions. If the school/department does not have a GPC, the report will be submitted directly to the school director or department chair.

The following procedures must be followed prior to submitting a recommendation to discontinue a doctoral student's program for causes other than poor academic performance:

- The student must be informed of the pattern of behavior or incident(s) that has given rise to concern among the school/department faculty members and that led to the recommendation for program discontinuation. These concerns should be noted in the student's annual progress review.
- The student must be given an opportunity to meet with and address the observed behavior or incident with the school/departments Graduate Program Committee (GPC) or with the student's doctoral committee for

school/departments with no graduate program committee. Following the meeting, the GPC or doctoral committee must either reassert the concerns or withdraw the concerns in writing to the department chair or school director.

If the complaint arises from an unprofessional behavior or other behavioral concerns, the student will be given a clearly defined probationary period during which clear behavioral objectives are provided to either rectify the concerns or change the behavior. Clear means of assessing improvement will be provided.

If the complaint results from an egregious violation of laws or published university or school/department policy, rules or professional ethics, or responsible conduct of research, then the reviewing committee can recommend program termination. The program faculty must provide clear documented evidence of the incident(s) or violation with the recommendation for program termination.

Copies of the progress report are to be provided by the GPC or student doctoral committee to the school director or department chair no later than April 15 of each year and copied to the student. A department chair or school director may agree or disagree with the GPC's or doctoral committee recommendation. If in agreement with the recommendation, the director or chair will approve and submit the progress report to the Dean of the Graduate School and a copy to the college dean by May 1. The student and GPC or doctoral committee will be informed in writing of the approval. If in disagreement with the GPC's or doctoral committee's recommendation, the school director or department chair will invite the student's program advisor and the GPC chair or doctoral committee members to discuss the disagreement. After the meeting, the GPC chair or student's doctoral advisor will approve and submit the original progress report recommendation to the Graduate Dean with a copy to the college dean and student.

or

Modify and submit the recommendation to include conditions agreed to by the school director/department chair and GPC or doctoral committee (or add conditions) to the Graduate Dean with a copy to the college dean and student.

or

Change and submit the recommendation as agreed to by the department chair/school director and GPC or doctoral committee with explanation any additional documentation and signed acknowledgement from the department chair/school director and GPC chair or doctoral committee members. The advisor and GPC members or doctoral committee members may submit additional comments or documentation to support the GPC chair's decision or to express opposition to the chair's decision. The changed recommendation will then be submitted to the Dean of the

Graduate School with a copy to the college dean and student.

If there is a recommendation for program termination, the student should follow the Academic Appeals Policy.

Doctoral Dissertation

Doctoral Dissertation

All doctoral programs require either a doctoral dissertation or Doctoral Scholarly Project (DSP) pertaining to a significant topic in the candidate's major. For students in programs requiring a dissertation (i.e., D.A., Ed.D., or Ph.D.), four (4) credit hours of dissertation-proposal (797) are required. No more than four (4) credit hours of proposal (797) may be applied to the minimum credit requirements of a student's program. Programs will determine the total number of dissertation credit hours (799) for completion of a doctoral degree. Doctoral programs must require at least twelve (12) credit hours but no more than thirty (30) credit hours of dissertation. The number of dissertation credit hours (799) required for the program is listed in the graduate catalog.

Students may not enroll in more than one-half of the required 799 dissertation credit hours before advancing to candidacy. Work associated with 799 credits completed prior to candidacy must directly apply to the dissertation.

After advancing to doctoral candidacy, students may be eligible for an exception to the full-time/part-time enrollment status policy.

Students enrolled in programs requiring a doctoral scholarly project (i.e., Au.D. or D.N.P.) are not required to register for 797 or 799. The program will determine the content and methodology of the Doctoral Scholarly Project (DSP), and the total number of credit hours for the course assigned. Expectations and requirements for the DSP are listed in the graduate catalog.

Dissertation Proposal

The dissertation proposal must be presented to the student's doctoral committee for approval prior to engaging in final data collection. In addition, the approved dissertation proposal must be filed electronically with the Graduate School. Students must have an approved IRB application or an approved IACUC (Institutional Animal Care and Use Committee) application if using human participants or animal subjects, respectively, prior to data collection. Although all 797 and 799 credits will be graded with an S or U in the semesters for which students registered for the credits, final approval of the dissertation by the Graduate School is required for a student to graduate. Students pursuing the Au.D. or D.N.P. are not required to file their approved doctoral scholarly project proposals with the Graduate School.

The dissertation proposal is crucial in the dissertation process and should culminate with a formal dissertation

proposal hearing. The proposal shall be presented to the student's entire committee in a timely manner as specified by the committee (typically at least two weeks prior to the proposal hearing). Students coordinate with their research advisor and doctoral committee to schedule the date, time and location of the proposal hearing which is not scheduled with the Graduate School. The full committee, including the faculty representative (for dissertation committees), must be present at the proposal hearing.

After the proposal hearing, it will be the student's responsibility, in consultation with the research advisor, to address those concerns in a revised proposal. It is recommended that the student summarize the changes that have been incorporated into the revised proposal to assist the committee in identifying and locating the changes.

The revised proposal should then be circulated with a signature page to the committee for review and signature if they approve of the revisions. A second committee meeting is optional but could be required by the committee due to the extensive nature of the expected changes or to expedite the approval process. All committee members' signatures are required.

Approval of the dissertation proposal establishes the expectations for the final dissertation and assures agreement among the committee with the student's methods and research strategy prior to proceeding to the final stages of the dissertation or capstone (including securing IRB or IACUC approval prior to data collection). The proposal hearing also allows the committee to introduce required changes or additions to a student's proposed project while changes are still possible. Scheduling the proposal hearing is done with the program office according to the major school or departmental policies.

Filing Dissertation Proposal

In order for the Graduate School to record a student's successful proposal defense, the student shall submit an electronic copy of the approved proposal, signed signature page IRB or IACUC approval (if applicable) and signed Verification of Research Subject or Participant Compliance form www.unco.edu/graduate-school/pdf/verification-research-subject-compliance.pdf shall be submitted to the Graduate School. The student will not be entered into candidacy until the proposal and required accompanying documents are submitted. Students are also responsible for maintaining their own copy of the entire proposal in a secure location until the time of their graduation.

Doctoral Candidacy

Doctoral students advance to candidacy upon passing the written and oral comprehensive examinations and filing an approved dissertation proposal and submitting all the required paperwork for the dissertation proposal to the Graduate School. Because the term Doctoral Candidate has

a specific institutional connotation, doctoral students may not use the term 'Doctoral Candidate' until this status is documented by the Graduate School.

The Graduate School will consider the dissertation proposal as accepted unless the Graduate School Dean objects to the proposal. If the Dean objects, the proposal will be sent to the student and research advisor with specific written request for revisions.

If a doctoral committee reports to the Graduate School that a student has failed the dissertation proposal, the committee must also send a recommendation for the Graduate School to terminate the student's program. The Graduate School will expect the doctoral committee to create a document with justification for the program termination that can be shared with the student.

Dissertation and Doctoral Defense

The student will complete the research and write the dissertation in close collaboration with their research advisor(s). Students in Clinical doctoral programs (Au.D. and DNP) will complete a doctoral scholarly project. Clinical doctoral students must meet the requirements for the doctoral scholarly project relative to their catalog year. All students must follow the school/department style guide as well as the Graduate School guidelines for writing the doctoral dissertation (or doctoral scholarly project). The *Graduate School Doctoral Dissertation and Doctoral Scholarly Project Format Manual* can be found on the Graduate School website. Student should discuss discipline specific formatting rules with their doctoral committee advisor.

- Upon completion of the dissertation or project, the research advisor should direct the student to arrange the date, time and place of the defense of the dissertation or doctoral scholarly project with **all committee members**. After all arrangements are made, the student or research advisor will notify the Graduate School by forwarding a signed and completed *Request to Schedule a Doctoral Examination* form, currently found at www.unco.edu/graduate-school/pdf/Request-Schedule-Doctoral-Exam.pdf.

In order for the Graduate School to approve a request for the student to defend the dissertation or doctoral scholarly project, the following conditions must be met:

- The committee members and faculty representative (for dissertation committees) must be the same as those approved by the Graduate School.
- The student's plan of study in Degree Works must be correct and updated with any necessary course adjustments submitted by program/research advisor.
- Written and oral comprehensive examination results, and dissertation proposal (if applicable) must have been received and recorded by the Graduate School.
- The student must have been admitted into candidacy at least one semester prior to requesting to defend the dissertation.
- The student's program must be active.
- The student must be in compliance with the continuous enrollment policy by enrolling in at least 1 graduate credit. If the student has already completed all program requirements, including the required number of dissertation (799) hours, then the student shall be charged the continuous registration fee of \$150.
- The student cannot be on an approved leave of absence at the time of the defense.
- The Request to Schedule a Doctoral examination must be turned in to the Graduate School at least two weeks (14 calendar days) before the requested date of the defense to allow for the dissertation or doctoral scholarly project defense to be publicized. The defense may not be schedule for weekends or when University offices are closed for holidays as the defense is considered a public hearing.
- The defense of the dissertation or doctoral scholarly project must be scheduled at least five weeks (35 calendar days) prior to the anticipated graduation date. If it is not, the student's degree shall not be conferred until the following semester.

The student is responsible for confirming the date and time of the examination with all of the committee members. The Graduate School will approve and publicize the examination date, time and place in any appropriate university site or publication two weeks prior to the scheduled date. The Graduate School forwards a results form to the student's Research Advisor as approval of the defense.

Any examination which is not scheduled in advance through the Graduate School will not be recognized as valid and must be retaken.

Prior to the defense date, the research advisor should discuss the nature and purpose of the dissertation or doctoral scholarly project defense with the student. Generally, the student is instructed to prepare a brief presentation of the study from the purpose to the results and discussion.

All committee members including the faculty representative must be present through the entire defense or a substitute assigned according to the guidelines for Doctoral Committee. All members of the graduate faculty may attend the defense and may ask questions of the student after the committee members finish their questioning. Other graduate students may attend with permission from the research advisor. The committee is free to ask any questions pertaining to the dissertation. The student is expected to understand and demonstrate expertise on all aspects of the study including the data

analyses and theoretical or practical implications and should avoid being unaware of the procedure or logic followed in the data analyses. The dissertation committee will evaluate the student's performance at the defense as well as the written dissertation as a "pass", "may pass with conditions", or "failed" on the results of the dissertation defense form.

- **Pass:** If the student passes the defense, the research advisor shall obtain the electronic signatures of the research committee members on the results form, and submit the form to the Graduate School. The student shall proceed to make any corrections to the dissertation that are required by the research committee and submit the corrected dissertation to the committee members (if required) for their review. The student must provide 1 electronic of the signature page for Graduate School records.
- **May Pass:** If the research committee requires the student to meet stated conditions, the research advisor shall list the conditions on the results form along with a timeline for completion, obtain the signatures of the committee members on the results form, and submit the form to the Graduate School. The list of conditions must include a statement regarding the number of additional defense meetings (if applicable) and the amount of additional time allowed by the research committee. The student shall proceed to make any corrections required by the research committee and submit the corrected dissertation to the committee members for their electronic signatures. The results form shall be retained by the Graduate School until either conditions are met, or the committee deems the student has not met the conditions. After the student submits the corrected dissertation, or otherwise attempts to meet the required conditions, the research advisor shall obtain the original results form from the Graduate School. If the student does not meet the stated conditions, the Graduate School shall then notify the student that the degree program is terminated.
- **Failed:** If a student fails the defense, the research advisor shall obtain the electronic signatures of the research committee members on the results form and submit the form to the Graduate School. The Graduate School shall then notify the student that the student's degree program is terminated.
- The committee must reach a unanimous decision on the final evaluation of the candidate's dissertation defense. If the committee cannot reach consensus, then committee members may initiate the Dissertation Objection process.

The results of dissertation and doctoral scholarly project defenses must be reported to the Graduate School no later than the semester following the defense or the Graduate School may require the student to repeat the defense.

Dissertation Filing

After completing any necessary revisions and obtaining approval of the dissertation by the student's research committee, students must submit the following to the Graduate School for formatting review and final approval by the Dean of the Graduate School.

- an electronic copy of the final dissertation in either MS Word or pdf
- Verification of Research Subject or Participant Compliance form www.unco.edu/graduate-school/student-resources/current-students/graduate-school-forms.aspx
- the IRB or IACUC approval or confirmation of IRB exemption and at least one (1) electronic signature page

The student will then be asked to make revisions and/or submit one (1) electronic copy of the final dissertation to the Graduate School for the Dean's signature. The dissertation is not approved until signed by the Dean of the Graduate School. Documents will receive two formatting reviews. Students who do not have the dissertation in the correct format by the third submission to the Graduate School shall be moved to the next semester for degree conferral.

If the dissertation is not filed with the Graduate School at least four weeks (28 calendar days) before the student's anticipated graduation date, the student degree shall not be conferred until the following semester.

Upon filing the dissertation, the Graduate School will require each doctoral student to complete specific forms relating to the dissertation and will bill the student's UNC account for digital archiving and dissemination of the dissertation. Final submission procedures and necessary forms can be found on the Graduate School website (www.unco.edu/graduate-school/student-resources/current-students/graduate-school-forms.aspx). The dissertation will be electronically stored and the dissertation abstract will be published in ProQuest Information and Learning (formally Dissertation Abstracts) and in the University Library's Digital UNC. The Graduate School follows an electronic only process for dissertations.

Dissertation Objection

If a dissertation is filed with all but one of the signatures of the research committee members, the Dean of the Graduate School or their designee will ask the non-signing member if they wish to enter a formal objection(s). Should the committee member file an objection, the Dean of the Graduate School will appoint a review committee to assess the specific objection(s). If the review committee rules that the objection(s) does/do not justify the rejection of the study, the chairperson of the review committee will sign the dissertation in place of the dissenting faculty member. If the review committee rules that the objection(s) is/are valid, the student must take appropriate steps to modify the

dissertation in order to gain the approval of the original dissertation committee.

Research Requirements

Research Core

Doctoral students enrolled in Ph.D., Ed.D., and D.A. programs must complete a research core of at least 12 semester hours of research courses or methods of inquiry designated as appropriate to the discipline and approved by the Graduate Council. Courses numbered XXX 622 (Directed Studies) shall not be used to substitute for courses in the research core. The research core of 12 semester hours does not pertain to students in clinical doctoral programs (Au.D. and DNP).

The Graduate School will not waive this requirement but can approve appropriate substitute research courses or methods up to the full 12 semester hours. The program advisor must provide a written request to substitute an alternative course, a syllabus for each course, and rationale for the requested substitute(s) to the Graduate Dean.

Research Tools

All Ph.D. students must demonstrate competency in two acceptable research tools. A research tool is defined as exhibiting advanced knowledge and/or demonstrating a set of skills related to a specifiable technique or method that contributes to the student's ability to conduct doctoral level research in the discipline. Schools/departments will determine acceptable research tools such as languages, applied statistics, mathematical statistics, research methods, and computer languages/applications.

Collateral Field

With the approval of the major school/department and the Dean of the Graduate School doctoral students may use a collateral field of study as a substitute for one of the research tools. A collateral field of at least 12 credit hours is defined as advanced and specialized or focused knowledge and competence within a specifiable content area or skill area from a related discipline that contributes to the student's ability to conduct doctoral level research in their major discipline (e.g., advanced cognitive theory, applications of distance education technology or multimedia technology to the classroom). The level of competency and the assessment of competency is established by each school/department and must be approved by the Dean of the Graduate School.

Means of evaluating the student's knowledge or skill must be included on the plan of study to indicate how each research tool requirement is to be satisfied. Acceptable evaluation of research tools might include examinations in academic courses, competency demonstrations evaluated by advisors and committee members, or alternative testing or competency demonstration procedures developed within the school/department.

Graduation Check

Upon a student's admission to doctoral candidacy, the Graduate School will conduct a preliminary graduation check. Any discrepancies between the transcript and the plan of study must be corrected with either a new plan of study or a course adjustment form initiated by the advisor. Upon receipt of the preliminary graduation check, the student must thereafter notify the Graduate School by completing an online Application for Graduation form. The Application for Graduation notifies the Graduate School to conduct a full audit of the student's program requirements and notify the student if the application for graduation has been approved, approved with conditions, or not approved. If an application is not approved, the student will be notified of the issues. The student must file a new application for graduation once the identified issues are resolved.

All graduating students are encouraged to attend graduation. Those students participating in the graduation ceremony are required to wear appropriate academic regalia. Diplomas are not issued at the graduation ceremony. All Graduate students must complete a *Diploma Request Card*. The diploma will be mailed to the address provided by the student on the *Diploma Request Card* at unco.co1.qualtrics.com/jfe/form/SV_eFKGypwCVx5gmji. Failure to provide a current mailing address could result in a delay in receipt of the diploma. No diploma will be issued until all requirements for graduation have been met. The university does not mail diploma covers to graduates.

Hooding. The candidate's research advisor(s) shall hood the candidate at the graduation ceremony. If the research advisor is unable to attend the ceremony, the Graduate School will identify an appropriate alternate to hood the student.

Time Limit

The maximum time allowed for completion of a doctoral degree is eight calendar years beginning with the student's first semester of enrollment after admission has been granted.

If a student has completed a Specialist in Education degree at the time they begin a doctoral degree program and if the student is permitted to include 21 semester hours of their specialist degree credits in the doctoral program, the student shall have a maximum time limit of five calendar years to earn the doctoral degree.

COLLEGE OF EDUCATION AND BEHAVIORAL SCIENCES (EBS)

University Programs

Graduate Programs (p. 101)

Office of the Dean

Interim Dean: Nancy Sileo, Ed.D.

Associate Dean: Jingzi (Ginny) Huang, Ph.D.

Associate Dean and Acting Dean: Robyn S. Hess, Ph.D.

Location: McKee 125

Telephone: 970.351.2817

The mission of the College of Education and Behavioral Sciences is to contribute to the betterment of society through research, professional service, and the preparation of individuals who are skilled lifelong learners capable of working effectively with diverse populations in an evolving global community.

The College offers programs at the graduate and undergraduate levels. Graduate programs in Psychological Sciences, Applied Statistics and Research Methods, and Educational Technology prepare students for employment in a range of fields including education and the business and technology sectors. The undergraduate program in psychology provides students with a liberal arts degree and transferable skills in several areas including research design and analysis and the ability to understand human behavior.

Several programs in the College provide professional training by offering specialized undergraduate licensure and graduate degree programs in education and psychology. The undergraduate licensure programs (Teacher Education Endorsement: Professional Teacher Education Programs (PTEP) prepare elementary, middle, secondary, K-12, and special education teachers. The Center for Urban Education in Denver trains elementary teachers for work in urban schools. Elementary, middle, and secondary teacher candidates must major in a content degree program offered in one of the other colleges. The American Sign Language and Interpreting Studies offers undergraduate and graduate programs in sign language, interpretation, and teaching ASL.

Graduate programs are also offered to prepare school administrators, school psychologists, educational technology personnel, counselors and counseling psychologists for schools, hospitals, mental health agencies and private practice. These programs also prepare college and university faculty and administrators.

The professional education faculty members of the College are committed to the serious study of education and the promotion of professional standards to ensure quality and foster innovation in professional preparation. The College

Conceptual Framework holds the view that education is a transformational enterprise and that professional educators use evidence in decision making; respect diversity; collaborate with others; are standards and performance-based; and can use technology to improve teaching and learning.

All educator preparation programs are approved for licensure by the Colorado State Board of Education and authorized by the Colorado Department of Higher Education. The American Psychological Association accredits the doctoral programs in Counseling and School Psychology. The Council for Accreditation of Counseling and Related Educational Programs accredit programs in Counselor Education and Supervision and the Master's programs in Clinical Counseling, School Counseling, and Couples and Family.

Other major units in the College are the Tointon Institute for Educational Change and the Bresnahan-Halstead Center. A common focus of these diverse units is to provide teachers and administrators with advanced professional development.

Department of American Sign Language & Interpreting Studies

Chair: Barbara Garrett, Ph.D.

Teaching ASL M.A. Program Manager: Pauline Ballentine

Location: McKee Room 525

Videophone: 970-373-4321

Telephone: 970-351-1060

Website: www.unco.edu/cebs/asl-interpreting/

Course(s) Offered (Prefix):

- EDI — Educational Interpreting (p. 276)
- INTR — Interpreter (p. 308)
- TASL — Teaching American Sign Language (p. 362)

Program(s) Offered:

- **Masters Degrees**
 - Teaching American Sign Language (p. 170)
 - Teaching American Sign Language: Licensure: World Languages (Grades K-12) (p. 171)

The Department of American Sign Language & Interpreting Studies (ASLIS) designs and delivers quality programs that center around learning, using, and teaching American Sign Language. Undergraduate and graduate programs are offered, as are liberal arts curriculum courses and professional development coursework and certificates.

Programming is offered on the UNC main campus to traditional undergraduate students and online to a national audience of both undergraduate and graduate students.

The master's program in Teaching ASL (TASL) is a unique hybrid program offered online with summer sessions on the main campus in Greeley. Two programs are available depending on the students' career goals: M.A. for those interested in teaching on the post-secondary level and M.A.: Licensure: World Languages (Grades K-12) for those interested in teaching on the K-12 level.

The ASLIS department also offers ASL-IV on the UNC main campus and ASL III and ASL IV online. An ASL minor is available for students interested in a stronger language foundation.

Additionally, a B.A. in ASL-English Interpretation is offered on the UNC main campus or in a hybrid online delivery system that requires an annual four-week summer session on campus.

The ASLIS faculty (hearing and deaf) are selected for their recognized expertise. They each contribute to their respective field by researching, publishing and presenting in various local, national and international venues. They are acknowledged as outstanding teachers by their students and their peers.

Department of Applied Psychology and Counselor Education

Chair: Heather Helm, Ph.D.

Location: McKee 248

Telephone: 970.351.2731

Website: www.unco.edu/cebs/applied-psychology-counselor-education/

Applied Psychology and Counselor Education Faculty:

Heather Helm, Ph.D.; Brian D. Johnson, Ph.D.; Danielle Kahlo, Ph.D.; Jennifer L. Murdock-Bishop, Ph.D.; Kristin Myers, Ph.D.; Kenneth Parnell, Ph.D.; Jeffrey A. Rings, Ph.D.; Lu Tian, Ph.D.; Matthew Tis, Ph.D.; Angela Vaughan, Ph.D.; Angela Weingartner, Ph.D.; Stephen L. Wright, Ph.D.

Course(s) Offered (Prefix):

- APCE — Applied Psychology and Counselor Education (p. 237)

Program(s) Offered:

- **Doctoral Degrees**
 - Counseling Psychology Ph.D. (p. 182)
 - Counselor Education and Supervision Ph.D. (p. 184)

The Department of Applied Psychology and Counselor Education (APCE) offers a Ph.D. in Counseling Psychology (APA Accredited), a Ph.D. in Counselor

Education and Supervision (CACREP Accredited), an M.A. in Clinical Mental Health Counseling (CACREP Accredited), an M.A. in Marriage, Couples, and Family Counseling/Therapy (CACREP Accredited), and an M.A. in School Counseling (CACREP Accredited).

Professional Counseling Program(s) Offered:

• Master's Degrees

- Clinical Mental Health Counseling M.A. (p. 116)
- Marriage, Couples, and Family Counseling/Therapy M.A. (p. 137)
- School Counseling M.A. (p. 155)

• Graduate Certificate

- Child and Adolescent Graduate Certificate (p. 216)

The Counseling faculty views potential candidates as unique, with strengths and assets to be identified, encouraged and developed during their graduate education. The knowledge and human relations skills necessary to help individuals recognize their own and other persons' unique promise and discover opportunities for its expression form the core of professional preparation for students in professional counseling. Such knowledge and skills are learned in part from research and study in the behavioral and social sciences, various skill development activities and supervised practica. Supervised training is provided through the Psychological Services Clinic to the University and the local community. Opportunities for a broad understanding of human behavior and human relationships are included in the education of the student in Counseling.

The Counseling faculty is committed to the development of broadly based competent professional counselors skilled in helping people with personal, interpersonal and career concerns in community agencies or in schools. The requirements of the program are conceptualized within the framework and standards set forth by accreditation standards, the counseling profession, Colorado state law, Graduate School and job requirements. The Professional Counseling programs are accredited by the Council for the Accreditation of Counseling and Related Educational Programs (CACREP).

Department of Applied Statistics and Research Methods

Chair: Randy Larkins, Ph.D.

Location: McKee 520

Telephone: 970.351.2807

Website: www.unco.edu/cebs/applied-statistics-research-methods/about-us.aspx

Faculty: Maria K. E. Lahman, Ph.D.; Randy Larkins, Ph.D.; William Merchant, Ph.D.; Khalil Shafie, Ph.D.; Chia-Lin Tsai, Ph.D.; Han Yu, Ph.D.

Course(s) Offered (Prefix):

- SRM — Statistics and Research Methods (p. 357)

Program(s) Offered

- **Master's Degree**
 - Applied Statistics and Research Methods M.S. (p. 101)
- **Doctoral Degree**
 - Applied Statistics and Research Methods Ph.D. (p. 176) (p. 210)
- **Doctoral Minor**
 - Applied Statistics and Research Methods (p. 210)
- **Graduate Certificate**
 - Applied Data Analysis for Decision Making (p. 215)

This program provides students with a broad understanding of appropriate applications of statistical and research methodology and with experience in using computers effectively for statistical analysis.

The master's and doctoral programs in Applied Statistics and Research Methods are designed to prepare graduates in statistics and education who make important contributions to educational practice. Through the programs, great emphasis is placed on how research design and statistics can be applied to educational issues and problems. Service courses are offered by the school in support of other university programs at the graduate level.

Department of Leadership, Policy and Development: Higher Education and P-12 Education

Chair: Linda R. Vogel, Ph.D.

Location: McKee 418

Telephone: 970.351.2119

Faculty: Amie Cieminski, Ed.D.; Michael I. Cohen, Ed.D.; Stephen Seedorf, Ed.D.; Linda R. Vogel, Ph.D.

The Leadership, Policy and Development Department includes the Educational Leadership and Policy Studies (ELPS) Program and the Higher Education and Student Affairs Leadership (HESAL) Program.

Course(s) Offered (Prefix):

- ELPS — Educational Leadership and Policy Studies (p. 288)
- HESA — Higher Education and Student Affairs Leadership (p. 304)

Program(s) Offered

- **Master's Degrees**
 - Educational Leadership (p. 125)
 - Educational Leadership and Special Education Administration M.A. with dual licensure as a Principal and Special Education Director (p. 125)
 - Higher Education and Student Affairs Leadership (p. 134)
- **Educational Specialist Degrees**
 - Educational Leadership (p. 173)
 - Educational Leadership and Special Education Administration (p. 174)
- **Doctoral Degrees**
 - Educational Leadership (p. 186)
- **Doctoral Minors**
 - Educational Leadership and Policy Studies (p. 210)
 - Higher Education and Student Affairs Leadership (p. 212)
- **Teacher Licensure**
 - Administrators' Licensure (p. 228)
 - Principals' Licensure (p. 232)
 - Teacher Leadership (p. 226)

School of Psychological Sciences

Director: Carl E. Granrud, Ph.D.

Location: McKee 0014

Telephone: 970.351.2957

Website: www.unco.edu/cebs/psychological-sciences/

Faculty: Michael Todd Allen, Ph.D.; Cassandra M.R. Bergstrom, Ph.D.; Ryan D. Darling, Ph.D.; Thomas N. Dunn, Ph.D.; Carl E. Granrud, Ph.D.; Molly M. Jameson, Ph.D.; Nancy J. Karlin, Ph.D.; Paul Klaczynski, Ph.D.; James Kole, Ph.D.; Joanna E. Lewis, Ph.D.; Sue Hyeon Paek, Ph.D.; Phillip E. Peterson, Ph.D.; Kevin Pugh, Ph.D.; Marilyn C. Welsh, Ph.D.; William Douglas Woody, Ph.D.

Emeritus Faculty: Mark B. Alcorn, Ph.D.; William A. Barnard, Ph.D.; Theodore R. Bashore, Ph.D.; Susan P. Bromley, Psy.D.; Kathryn F. Cochran, Ph.D.; John B. Cooney, Ph.D.; David M. Gilliam, Ph.D.; Teresa M. McDevitt, Ph.D.; Grant L. Morris, Ph.D.; Jeanne E. Ormrod, Ph.D.; Charles S.L. Poston, Ph.D.; Steven M. Pulos, Ph.D.; Paul D. Retzlaff, Ph.D.; Eugene Sheehan, Ph.D.

Course(s) Offered (Prefix):

- PSY — Psychology (p. 339)

Program(s) Offered:

- **Educational Psychology M.A.**
 - Educational Psychology (p. 126)
 - Teaching Applications Concentration (p. 127)
- **Doctoral Degree**
 - Educational Psychology Ph.D. (p. 187)
- **Doctoral Minor**
 - Educational Psychology (p. 211)

Department of School Psychology**Chair:** David Hulac, Ph.D.**Location:** McKee 248**Telephone:** 970.351.2731**Website:** www.unco.edu/cebs/school-psychology/

School Psychology Faculty: Jacqueline Anderson, Ph.D.; Michelle S. Athanasiou, Ph.D.; Robyn S. Hess, Ph.D.; David M. Hulac, Ph.D.

The Department of School Psychology is housed within the College of Education and Behavioral Sciences and offers graduate training at two levels.

Course(s) Offered (Prefix):

- SPSY — School Psychology (p. 354)

Program(s) Offered:

- **Master's Degree**
 - Foundations of Professional Psychology M.A. (p. 133)
- **Educational Specialist Degrees**
 - School Psychology (p. 175)
- **Doctoral Degree**
 - School Psychology Ph.D. (p. 200)

As such, the aim of these programs is to develop health service providers in the practice area of school psychology who are able to apply psychological and educational principles to improve the lives of children and families across home, school, and community contexts. Attention is directed toward the development of skills in the assessment of the intellectual, emotional, and social development of children and adolescents; planning and implementing direct academic and social/emotional interventions with a focus on evidence-based and culturally sensitive practice; and providing individual and systems consultation within schools and the larger community. Foundational aspects of psychological practice, including human learning, development, working with diverse populations, research, relevant law, ethical principles and professional practice provide a basis upon which skills in assessment and

intervention are built. Students who successfully complete either the Ed.S. or Ph.D. are eligible for state licensure and national certification. Ph.D. graduates are eligible to pursue licensure as psychologists.

School of Special Education**Director:** Corey Pierce, Ph.D.**Location:** McKee 36**Telephone:** 970.351.2691**Website:** www.unco.edu/cebs/special-education/

Faculty: Sandra K. Bowen, Ph.D.; Paula W. Conroy, Ed.D.; Silvia Correa-Torres, Ed.D.; Tracy Gershwin, Ph.D.; Amy Graefe, Ph.D.; Francie R. Murry, Ph.D.; Lori Peterson, Ph.D.; Jason Robinson, Ph.D.; Nancy Sileo, Ed.D.; Todd H. Sundeen, Ph.D.; Jennifer Urbach, Ph.D.; Hasan Zaghawan, Ph.D.

Course(s) Offered (Prefix):

- EDS — Education of Diverse Students (p. 277)
- EDSE — Special Education (p. 277)

Program(s) Offered:

- **Master's Degree**
 - Educational Leadership and Special Education Administration M.A. with dual licensure as a Principal and Special Education Director (p. 125)
- **Special Education MA**
 - Deaf and Hard of Hearing Concentration (p. 158)
 - Early Childhood Special Education Concentration (p. 159)
 - Generalist Concentration (p. 159)
 - Gifted Education Specialist Endorsement (p. 160)
 - Intervention Specialist: Academic Coaching and Leadership Concentration (p. 160)
 - Visual Impairment Concentration (p. 161)
- **Educational Specialists Degree**
 - Educational Leadership and Special Education Administration (p. 174)
- **Doctoral Degree**
 - Special Education Ph.D. (p. 202)
- **Doctoral Minor**
 - Special Education Minor (p. 213)
- **Teacher Licensure**
 - Director of Gifted Education Endorsement (p. 230)
 - Early Childhood Special Education Endorsement (Ages 0-8 years) (p. 230)

- Gifted Education Core Endorsement (Ages 4-21) (p. 231)
- Gifted Education Specialist Endorsement (Ages 4-21) (p. 231)
- School Orientation and Mobility (O&M) Endorsement (Ages 0-21) (p. 232)
- Special Education Director (p. 232)
- Special Education Generalist Endorsement (Ages 5-21 yrs) (p. 233)
- **Graduate Certificate**
 - Gifted Education (Non-Endorsement) (p. 219)
 - Teaching Students with Autism (TSA) (p. 227)

The School of Special Education offers one of the most comprehensive training programs for special educators (undergraduate, master's, doctoral) in the nation. UNC is the only institution in a six-state region that offers degree programs in special education in all areas of exceptionality. Special programs associated with special education include the Summer Enrichment Program for the Gifted and Talented, the Bresnahan-Halstead Center on Disabilities, and an annual Special Education Summer Symposia Series in Vail, Colorado featuring renowned speakers.

Faculty in Special Education are nationally recognized, have published in their respective areas, presented papers at prestigious conferences and have many of their publications translated into several foreign languages. Numerous program and research grants provide support for professional development and student scholarships at the graduate levels.

School of Teacher Education

Director: Jingzi (Ginny) Huang, Ph.D.

Location: McKee 216

Telephone: 970.351.2908

Website: www.unco.edu/cebs/teacher-education/

Faculty: Margaret Berg, Ph.D.; Anne Davidson-Shafer, Ph.D.; James A. Erikson, Ph.D.; Matthew Farber, Ed.D.; James Gambrell Ed.D.; Derek Gottlieb, Ed.D.; Jenni L. Harding Middleton, Ed.D.; Michelle Holmes, Ph.D.; HyunJung (Hannah) Kang, Ph.D.; Jean Kirshner, Ph.D.; Heng-Yu Ku, Ph.D.; Christine Kyser, Ed.D.; Jody K. Lawrence, Ph.D.; Kimberly Arnold Mahovsky, Ed.D.; Madeline Milian, Ed.D.; Christine McConnell Moroye, Ph.D.; Deborah Romero, Ph.D.; Brian Rose, Ph.D.; Suzette Youngs, Ph.D.

Professor Emeritus: Thomas A. Griggs, Ph.D.; Kathleen O'Neil, Ph.D.; Susan A. Thompson, Ed.D.; Dana Walker, Ph.D.

Cumbres prepares Hispanic/Latino students to teach with an English as a Second Language or bilingual education endorsement.

Location: McKee 262

Telephone: 970.351.2417

Course(s) Offered (Prefix):

- ECLD — Culturally Linguistically Diverse Education (p. 268)
- EDEL — Elementary Education (p. 271)
- EDF — Foundations of Education (p. 272)
- EDFE — Educational Field Experiences (p. 275)
- EDLD — Education of Linguistically Different (p. 276)
- EDRD — Reading (p. 276)
- EDS — Education of Diverse Students (p. 277)
- ELIT — Literacy Education (p. 287)
- ET — Education Technology (p. 296)
- TIP — Technology Innovation and Pedagogy (p. 365)

Program(s) Offered:

• Master's Degrees

- Education M.A.T. – Curriculum Studies Concentration (p. 121)
- Education M.A.T. – Elementary Education with Licensure Concentration — Elementary Education Endorsement (Grades K-6) (p. 122)
- Education M.A.T. – Culturally and Linguistically Diverse Education Concentration (p. 123)
- Educational Technology (p. 128)
- Literacy (p. 136)
- Multilingual Education M.A. – Teaching English to Speakers of Other Languages (TESOL) (p. 139)
- Multilingual Education M.A. – World Language Licensure Program (p. 141)
- Secondary Pedagogy M.A.T. – Licensure: Secondary Licensure (Grades 7-12) (p. 157)
- Teaching Diverse Learners (p. 171)

• Doctoral Degrees

- Educational Studies (p. 188)
- Educational Technology (p. 189)

• Doctoral Minors

- Educational Technology (p. 212)
- Reading (p. 213)

- **Teacher Licensure**

- Culturally and Linguistically Diverse (CLD) Bilingual Education Specialist (K-12) (p. 229)
- Culturally and Linguistically Diverse Education Endorsement (K-12) (p. 229)

- **Graduate Certificate**

- CLD (Culturally and Linguistically Diverse) Education Core (p. 217)
- Cultural Studies and Equity (p. 217)
- Educational Technology - Innovative Pedagogy (p. 218)
- Teaching Chinese as a Second Language (CSL) (p. 226)
- Teaching English to Speakers of Other Languages (TESOL) (p. 226)

Prior-learning experience policy:

CDE approved CLD professional development in compliance with CO ELL Standards:

Students who successfully completed a CDE Endorsed Professional development program, evidenced by the EL PD Approved Program Certificate and deemed appropriate by the UNC program area faculty, may request the awarding of 3 credits for ECLD 513 for partially fulfilling UNC CLD endorsement program requirement.

The awarded 3 credits of ECLD 513 will substitute for the required 3 credit hours of ECLD 593 in UNC's CLD endorsement and/or Master's in CLD program.

To request academic credit, the EL PD Approved Program Certificate must be submitted together with the UNC Application to the Graduate School or after admission to the Program Coordinator. Requests for credit transcription will be made via On-Base.

CLD Based Practicum:

Evidence and documentation of practice based prior learning experiences related to CLD education may be transcribed into three credits as ECLD 504 towards CLD Endorsement and/or MAT CLD. There are two options:

Option 1: CLD Based Practicum

Successful completion of a 40-hour CLD/CLDBE field experience under the direction of the district's professional development staff, designed in conjunction with the UNC CLD faculty. The field experience consists of observations, co-teaching, or teaching in one's own class (with a minimum of 6 culturally and linguistically diverse and bilingual learners in the class), coaching, and reflections on practice.

Option 2: Prior Learning Experiences

The following evidence will be used to decide if prior learning experience will be accepted as three credits in place of **ECLD 504 Practicum**

a. Minimum two years of teaching in classrooms with CLD students;

b. Evaluation by school leader or CLD expert of the applicant's teaching effectiveness with a focus on working with CLD students – Follow **Rubric 1: Evaluation by school leader or CLD expert**

c. Self-reflection on instructional practices related to CLD education – Follow **Rubric 2: Teacher's self-reflection on instructional practices related to CLD education**

To request academic credit, the Certificates of Completion and other documentation must be submitted with the application to the Graduate School or to the program coordinator after admission. (see UNC rubrics for more information)

Verifying Your Identity:

If you intend to apply for a Colorado Teacher License after completing a teaching licensure program at UNC, please note that the Colorado Department of Education (CDE) requires that you must open a COOL account with CDE and you must have a Social Security Number in order to open the COOL account. Please see the important information regarding "Setting up your COOL Account" at www.cde.state.co.us/cdeprof/fingerprints. In addition, as part of the licensure process, CDE requires that you must affirm your identity. This affirmation is called "verifying your identity." Under CDE's current requirements, you cannot receive a Colorado Teacher License without "verifying your identity." Please see the important information regarding "Verifying Your Identity" here: www.cde.state.co.us/cdeprof/verification_identification. You should check the two webpages above, and other webpages regarding Colorado Teacher Licensure, frequently for any changes.

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES (HSS)

University Programs

Graduate Programs (p. 101)

Office of the Dean

Dean: James Doerner, Ph.D.

Associate Dean: Chris Marston, Ph.D.

Location: Candelaria 0215

Telephone: 970.351.2707

Website: unco.edu/humanities-social-sciences

The College of Humanities and Social Sciences offers a broad range of academic pursuits. Our major areas of study are organized in 14 units designated as schools, departments or programs. These various disciplines give students a fuller understanding of the past, present, and future roles of both the individual and society in shaping human experience. The humanities and the social sciences are cornerstones of a liberal arts education. In courses and other learning experiences provided by the college, students become familiar with the most significant accomplishments of the human intellect and spirit and gain appreciation for the potential we have as humans and as societies.

Scholars in the humanities study many aspects of human existence, such as written and non-written evidence of human progress and how human creativity both reflects the world around us and helps to shape it. The humanities consider how systems of thought and knowledge have developed over time and how they continue to influence our decisions today. Humanistic inquiry asks how events in the past affect the present and how understanding the past can help us shape the future. The humanities produced the first thinkers who formally examined how different cultures and ethnicities approach common needs and how they express commonly held aspirations in diverse ways. Some humanities disciplines demonstrate how language mirrors our identity and opens windows to the world, while others study ways in which humans have learned to cooperate in order to articulate their values and accomplish their goals.

With goals closely related to those of the humanities, the social sciences view the world around us as a laboratory for observation, experimentation, and the advancement of new ideas and practices. Social scientists strive to understand the human capacity for adapting to changing environments and circumstances. Some disciplines examine systems of exchange, communication, and organization. Others study the ways in which humans identify and assert themselves as individuals and as groups, and they learn from the experiences and interaction among people in different times, circumstances, and places.

The College of Humanities and Social Sciences is committed to the liberal arts tradition of advancing human knowledge through serious scholarship, superior instruction, and the freedom of academic inquiry. The faculty employs the latest teaching and learning technology while emphasizing accessibility and the benefits of student-teacher interaction. Humanities and Social Sciences majors are broadly educated to think critically and independently, to articulate ideas and appreciate diverse perspectives, and to exercise reason and make informed judgments. These tools prepare graduates for life in a complex world, help them enter a wide variety of professions, and lay the foundations for lifelong learning.

Department of Chicana/o and Latinx Studies

Location: Candelaria Hall 0140

Email: HSS@unco.edu

Website: www.unco.edu/hss/chicana-chicano-latinx-studies/

Course(s) Offered (Prefix):

- MAS — Mexican American Studies (p. 260)

Program(s) Offered:

- **Graduate Certificates**
 - Mexican American Studies (p. 221)
 - Mexican American Studies Advanced (p. 222)

Department of Communication Studies and Journalism

Location: Candelaria 1265

Email: HSS@unco.edu

Website: unco.edu/hss/communication-studies/programs/

Faculty: Linda S. Allen, Ph.D.; Thomas G. Endres, Ph.D.; James A. Keaten, Ph.D.; Sherilyn R. Marrow, Ph.D.; Heidi Muller, Ph.D.; David L. Palmer, Ph.D.; Charles E. Soukup, Ph.D.

The focus of the communication discipline is on the process of human message exchange. Classes in communication studies (COMM) emphasize the examination of theories and research relevant to the field of communication and personal improvement in communication ability.

Course(s) Offered (Prefix):

- COMM — Communication (p. 259)

Department of Criminology and Criminal Justice

Location: Candelaria Hall 2249

Email: HSS@unco.edu

Website: unco.edu/hss/criminology-criminal-justice

Faculty: Mary Evans, Ph.D.; Vivian Guetler, Ph.D.; Brian Iannacchione, Ph.D.; Victoria Terranova, Ph.D.; Kyle C. Ward, Ph.D.

Course(s) Offered (Prefix):

- CRJ — Criminology and Criminal Justice (p. 260)

Program(s) Offered:

- **Master's Degree**
 - Criminology and Criminal Justice M.A. (p. 117)

Department of English

Location: Ross 1284

Email: HSS@unco.edu

Website: www.unco.edu/hss/english/

Faculty: Roger Austin, Ph.D.; Stacy R. Bailey, Ph.D.; Kevin Bomely, M.A.; Kristin Bovaird-Abbo, Ph.D.; Yavanna Brownlee, Ph.D.; Joseph Chaves, Ph.D.; Sarah Cornish, Ph.D.; Molly Desjardins, Ph.D.; Lahcen E. Ezzaher, Ph.D.; Emily Golson, Ph.D.; Phillip Goodwin, Ph.D.; Burke Hilsabeck, Ph.D.; Marc Santos, Ph.D.; Tracey A. Sedinger, Ph.D.; Matt Seymour, Ph.D.; Tara Wood, Ph.D.; Lisa H. Zimmerman, M.F.A.

Course(s) Offered (Prefix):

- EED — English Education (p. 286)
- ENG — English (p. 290)
- HUM — Humanities (p. 308)

Program(s) Offered:

- **Master's Degree**
 - English M.A. (p. 129)
 - English Education M.A. (p. 130)
- **Graduate Certificate**
 - Composition and Literary Studies (p. 217)

The discipline of English deals with literature and language and other related subjects such as creative writing, film, folklore, myth, and cultural studies. Creative artists refuse to be limited in their subjects or approaches.

Literature, as one writer has said, is “an eloquent artistic document, infinitely varied, of mankind's journey; the autobiography of the race's soul.” The questions we ask in studying literature are as “infinitely varied” as those asked by poets, playwrights and novelists: What does it mean to

be human? How is the individual related to society? By what values should one lead their life?

The study of literature and language requires rigorous discipline and sensitivity, a strict adherence to the highest standards of logic, evidence and argumentation, as well as creative response to language and form. One learns to think, research and write critically, while simultaneously developing sensitivity to language and to the complexities of people and situations.

Department of Geography, GIS, and Sustainability

Location: Candelaria 2200

Email: HSS@unco.edu

Website: unco.edu/hss/geography-gis-sustainability/

Faculty: Karen S. Barton, Ph.D.; Meg du Bray, Ph.D.; James P. Doerner, Ph.D.; Katherine M. Johnson, Ph.D.; Phil Klein, Ph.D.; Jieun Lee, Ph.D.; Chelsie Romulo, Ph.D.; Jessica Salo, Ph.D.

Course(s) Offered (Prefix):

- ENST — Environmental Studies (p. 294)
- GEOG — Geography (p. 301)

The Geospatial Technology field is considered a high growth industry by the United States Department of Labor. The Department of Labor's High Growth Profile report states the market for geospatial technology is "growing at an annual rate of almost 35 percent, with the commercial subsection expanding at the rate of 100 percent each year". This has produced a dramatically growing demand for GISci specialists. The ever expanding sophistication required for GISci positions has encouraged both graduating undergraduates and working professionals to seek out advanced geospatial training.

Department of History

Location: Ross Hall 3270

Email: HSS@unco.edu

Website: unco.edu/hss/history/

Faculty: Joan L. Clinefelter, Ph.D.; Fritz Fischer, Ph.D.; Jamie Fogg, M.A.; Aaron Haberman, Ph.D.; Kelly Langley-Cook, M.A.; Jiacheng Liu, Ph.D.; Caitlin Monroe, Ph.D.; T.J. Tomlin, Ph.D.; Robert G. Weis, Ph.D.; Michael Welsh, Ph.D., Corinne Wieben, Ph.D.

Course(s) Offered (Prefix):

- HIST — History (p. 307)

Program(s) Offered

- **Master's Degree**
 - History M.A. (p. 134)

- **Graduate Certificate**

- History (p. 220)

The discipline of history concerns itself with the record of the human past, thereby forming an indispensable background for all other areas of knowledge, whether in the humanities, social sciences or sciences.

It is the role of the History program at UNC to offer a series of courses that address the significant events in the human past for the purpose of liberally educating students from all areas of the University. The program has a second, but no less important, role in training teachers at both the graduate and undergraduate levels.

Scholarships

Master's degree candidates are encouraged to apply for the Oliver M. Dickerson stipend presently established at \$1,000-\$4,000 per academic year. Application should be made to the Coordinator of Graduate Studies, Department of History, UNC, Greeley, CO 80639.

For additional resources: See "Financial Aid." (p. 28)

Center of Excellence.

The University has designated the Department of History as a Center of Excellence. In 2002, the department was given a University award for "Departmental Excellence in Teaching."

Department of Sociology

Location: Candelaria 2285B

Email: HSS@unco.edu

Website: unco.edu/hss/sociology

Faculty: Rebecca A. Beals, Ph.D.; Angela Henderson, Ph.D.; Mel Moore, Ph.D.; Kyle Anne Nelson, Ph.D., M.P.H.; Harmony Newman, Ph.D.

Emeritus Faculty: John W. Fox, Ph.D.; Pamela Hewitt, Ph.D.; Karen Jennison, Ph.D., James P. Marshall, Ph.D.; David Musick, Ph.D., Daniel F. O'Connor, Ph.D.; Phil Reichel, Ph.D.; Jacqueline Bloom Stanfield, Ph.D.; Richard Trahan, Ph.D.; John A. Vonk, Ph.D.

Course(s) Offered (Prefix):

- SOC — Sociology (p. 351)

Program(s) Offered:

- **Master's Degrees**
 - Sociology MA (p. 158)

The UNC Department of Sociology is dedicated to the academic understanding and analysis of social, cultural and institutional aspects of human life. At its core, the sociological mission is rooted in social theory and the scientific method; we strive to empower students with the theoretical and analytical skills necessary to understand

and evaluate an increasingly complex society, both globally and locally. We prepare students for work in both public and private sectors of the economy including the areas of education, health, government, social welfare, marketing, and research. In addition, our department is dedicated to building sociological knowledge and skills that are applicable to advanced academic and post-graduate degrees.

Department of World Languages and Cultures

Location: Candelaria Hall

Email: HSS@unco.edu

Website: unco.edu/hss/world-languages-cultures/

Faculty: Enrique Bernales, Ph.D.; Karla Del Carpio, Ph.D.; Don Holman, Ph.D.; Michelle Low, Ph.D.; Erin Noelliste, Ph.D.; John Ryan, Ph.D.; Kaori Shimizu, Ph.D.

Course(s) Offered (Prefix):

- FL — Foreign Language (p. 299)
- GER — German (p. 303)
- SPAN — Spanish (p. 353)
- WLC — World Languages & Cultures (p. 366)

Program(s) Offered:

- **Master's Degree**
 - Foreign Languages MA - Teaching Concentration (p. 132)

KENNETH W. MONFORT COLLEGE OF BUSINESS (MCB)

University Programs

Graduate Programs (p. 101)

Office of the Dean

Interim Dean: Keiko Krahnke, Ph.D.

Location: Kepner 2053

Telephone: 970.351.2764

The College of Business was established in the summer of 1968 as an autonomous degree-recommending unit, with a primary mission to provide education for business administration.

Recognized in 2000 by CCHE as a Colorado Program of Excellence, the College has become an integral part of the University and is committed to advancing the Mission, Goals and Values of UNC (as specified in earlier pages of this Catalog). The College's own mission statement has been developed to support that of the University.

Performance based standards for degree programs in the Kenneth W. Monfort College of Business are available online at www.mcb.unco.edu.

Introduction: Monfort College of Business

In the Monfort College of Business highly-qualified faculty teach in reasonable class sizes (average of 30) in a technology-rich environment. The program is complimented by state-of-the-art learning facilities, an executive professor program, and an approach to learning that links theory with practice. MCB remains as the only business program in U.S. history to receive the **Malcolm Baldrige National Quality Award**.

Mission Statement

To provide excellent primarily undergraduate and focused graduate business programs and related learning opportunities that prepare the individuals for successful careers and responsible citizenship in a global society. We accomplish this by focusing our efforts in teaching, research and service to benefit student learning.

AACSB Accreditation

The Monfort College holds AACSB-accredited status in business administration and accounting. AACSB International (The Association to Advance Collegiate Schools of Business) is the premier accrediting agency for business school quality in the U.S. The Monfort College's programs have been AACSB-accredited since 1992.

Master of Business Administration

MBA Director & Advisor: Abe Harraf, Ph.D.

Location: Kepner 1090D

Telephone: 970-351-1116

Website: mcb.unco.edu/programs/graduate-programs.aspx

Faculty: Abe Harraf, Ph.D., Cris de la Torre, Ph.D., J.D.; Constantin Gurdgiev, Ph.D.; Vish Iyer, Ph.D.; Keiko Krahnke, Ph.D.; Denny McCorkle, D.B.A.; Philipp Schaberl, Ph.D.; Isaac Wanasika, Ph.D.; William Wilcox, Ph.D.

Course(s) Offered (Prefix):

- MBA — Master of Business Administration

Program(s) Offered:

- **Master's Degrees**
 - Accounting Analytics Concentration (p. 106)
 - Finance Concentration (p. 107)
 - (p. 106)General Business Concentration (p. 108)
 - (p. 108)Healthcare Administration Concentration (p. 109)
 - (p. 109)Human Resource Management Concentration (p. 110)
 - (p. 110)Marketing Concentration (p. 111)
 - Project Management Concentration (p. 112)
- **Graduate Certificates**
 - Human Resource Management (p. 220)
 - Project Management (p. 225)

Department of Accounting and Computer Information Systems

Chair: Jacob Rose, Ph.D.

Graduate Program Director: Abe Harraf, Ph.D.

Location: Kepner 2085 B

Telephone: 970.351.2411

Website: mcb.unco.edu/programs/graduate-programs.aspx

Faculty: Cris de la Torre, Ph.D., J.D.; Michael W. Martin, J.D., LL.M.; Anna Rose, Ph.D.; Jacob Rose, Ph.D.; Phillip Schaberl, Ph.D.; Lloyd "Pat" Seaton, Ph.D.; William E. Wilcox, Ph.D.

Course(s) Offered (Prefix):

- BAAC — Accounting (p. 247)
- BAFN — Finance (p. 249)

COLLEGE OF NATURAL AND HEALTH SCIENCES (NHS)

University Programs

Graduate Programs (p. 101)

Office of the Dean

Dean: Kamel Haddad, Ph.D.

Associate Dean: Kim Murza, Ph.D.

Associate Dean: David Slykhuis, Ph.D.

Location: Gunter 1000

Telephone: 970.351.2877

Fax: 970.351.2176

The College of Natural and Health Sciences at the University of Northern Colorado serves the people of Colorado and the nation through the advancement and dissemination of fundamental knowledge, by providing high-quality undergraduate and graduate instruction, and by applying knowledge to solve problems in areas of natural and health sciences and science-related education. To achieve this mission, the College supports:

1. Foundational undergraduate education, academic degrees and professional preparation in natural, health, human and mathematical sciences to prepare students to understand and use these disciplines in their lives and careers in the 21st Century.
2. Focused graduate programs in Natural and Health Sciences and related areas of science education, preparing teachers, college professors, researchers, and other professionals.
3. Basic and applied research in all areas of the natural and health sciences represented in the college, including externally supported activities and both undergraduate and graduate research experiences.
4. K-12 teacher preparation in disciplines represented in the college.
5. Outreach and service programs supporting K-12 teachers and students, health and service professionals, schools, health care organizations, businesses and government agencies.

Programs in the College of Natural and Health Sciences are designed to prepare students for careers in science and industry, health care organizations, community and human service agencies, and schools. In addition, students can pursue pre-professional studies in dentistry, medicine, optometry, pharmacy, podiatry, veterinary medicine, chiropractic medicine, engineering, and education.

The College contains four Schools, seven Departments, and one Program:

- School of Biological Sciences
- Department of Chemistry and Biochemistry
- Department of Communication Sciences and Disorders
- Department of Community Health Education
- Department of Earth and Atmospheric Sciences
- Department of Kinesiology, Nutrition, and Dietetics
- School of Mathematical Sciences
- School of Nursing
- Department of Physics and Astronomy
- Department of Rehabilitation and Human Services

Department of Biological Sciences

Chair: Scott Franklin, Ph.D.

Location: Ross Hall 2480

Telephone: 970.351.2921

Website: www.unco.edu/nhs/biology/

Faculty: Jennifer Avena, Ph.D., Lauryn Benedict, Ph.D.; Patrick Burns, Ph.D.; Gregory K. DeKrey, Ph.D.; Scott B. Franklin, Ph.D.; Susana K. Gomez, Ph.D.; James Haughian, Ph.D.; Teresa M. Higgins, Ph.D.; Emily Holt Ph.D.; Andrea James, Ph.D.; Judith Leatherman, Ph.D.; Stephen P. Mackessy, Ph.D.; Mitchell McGlaughlin, Ph.D.; Jennifer Parrish, Ph.D.; Nicholas Pullen, Ph.D.; Mark P. Thomas, Ph.D.

Emeritus Faculty: Rick Adams, Ph.D.; Warren R. Buss, Ph.D.; Catherine S. Gardiner, Ph.D.; Margaret E. Heimbrook, Ph.D.; Kathleen S. Jones, Ph.D.; Charles E. Olmsted, III, Ph.D.; Robert Reinsvold, Ph.D.; Gerald W. Saunders, Ph.D.

Course(s) Offered (Prefix):

- BIO — Biology (p. 249)

Program(s) Offered:

- **Master's Degrees**
 - **Biological Sciences M.S.**
 - Non-Thesis Concentration (p. 102)
 - Thesis Concentration (p. 104)
 - Biomedical Science M.B.S. (p. 105)
- **Doctoral Degree**
 - Biological Education Ph.D. (p. 178)

Department of Chemistry and Biochemistry

Contact: Department of Chemistry and Biochemistry

Location: Ross Hall 3480

Email: chemistry@unco.edu

Website: www.unco.edu/nhs/chemistry-biochemistry/

Faculty: Aaron Apawu, Ph.D.; Corina Brown, Ph.D.; Bonnie Buss, Ph.D.; Aichun Dong, Ph.D.; Richard W. Schwenz, Ph.D.; Murielle Watzky, Ph.D.; Melissa Weinrich, Ph.D.

Emeritus Faculty: Robert P. Houser, Ph.D.; Richard M. Hyslop, Ph.D.; Marlynn R. James, Ph.D.; Loretta L. Jones, Ph.D.; Marcus K. Meilahn, Ph.D.; Michael D. Mosher, Ph.D.; David L. Pringle, Ph.D.; James O. Schreck, Ph.D.; Richard W. Schwenz, Ph.D.; Jerry P. Suits, Ph.D.

Course(s) Offered (Prefix):

- BREW — Brewing Laboratory Science Program (p. 255)
- CHEM — Chemistry (p. 257)

Program(s) Offered:

- **Master's Degrees**
 - Chemistry Concentration Non-Thesis Option (p. 113)
 - Chemistry Concentration Thesis Option (p. 114)
 - Education Concentration Non-Thesis Option (p. 115)
 - Education Concentration Thesis Option (p. 116)
- **Doctoral Degrees**
 - Chemical Education Ph.D. (p. 180)

Department of Communication Sciences and Disorders

Acting Chair: Kim Murza, Ph.D.

Location: Gunter 1400

Telephone: 970.351.2734

Fax: 970.351.2974

Website: www.unco.edu/nhs/audiology-speech-language-sciences/

Faculty: Diane Erdbruegger, Au.D.; Tina Farrell, M.A.; Donald S. Finan, Ph.D.; Erinn M. Jimmerson, Au.D.; Charles Lenell, Ph.D.; Deanna K. Meinke, Ph.D.; Kim A. Murza, Ph.D.; Caitlin Raaz, Ph.D.; Nicole Reisfeld, SLPD

Emeritus Faculty: Donna J. Bottenberg, Ph.D.; Kathryn E. Bright, Ph.D.; Linda K. Cleeland, M.Ed.; Kathleen R. Fahey, Ph.D.; Ellen Meyer Gregg, Ph.D.; Francis A. Griffith, Ph.D.; Julie A. Hanks, Ed.D.; Jennifer E. Weber, Au.D.

Communication Sciences and Disorders (CSD) offers several clinically-focused degree programs that lead to a variety of career pathways and/or graduate studies. Specifically, graduates are prepared for employment or further education in fields such as speech-language pathology, audiology, healthcare, human services, public health, and special education. Undergraduates may also participate in the speech-language pathology assistant (SLPA) professional certificate program. Students within CSD have opportunities to observe and work with patients in the on-campus Speech-Language Pathology and Audiology Clinic.

Course(s) Offered (Prefix):

- CSD — Communication Sciences and Disorders (p. 261)

Program(s) Offered:

- **Master's Degrees**
 - Speech-Language Pathology - Online Program (p. 162)
 - Speech-Language Pathology - Residential Program (p. 164)
- **Doctoral Degree**
 - Audiology Au.D. (p. 177)
- **Graduate Certificate**
 - Animal Audiology Graduate Certificate (p. 215)

Department of Community Health Education

Campus Director: Teresa Sharp, Ph.D.

Location: Gunter Hall 1300

Telephone: 970.351.2997

Fax: 970.351.1255

Website: unco.edu/nhs/colorado-school-public-health/

Faculty: Elizabeth A. Gilbert, Ed.D.; Rose Grose, Ph.D.; Teresa A. Sharp, Ph.D.

Emeritus Faculty: Bryan E.M. Cooke, Ph.D.; Larry R. Harrison, M.S.; Jack LaBonde, M.A.; William Parkos, Ph.D.; Kathleen J. Zavela, Ph.D.

Course(s) Offered (Prefix):

- CH — Community Health Education (p. 255)

Program(s) Offered:

- **Master's Degree**
 - Public Health M.P.H. - Community Health Education Concentration (p. 152)

Department of Earth and Atmospheric Sciences

Chair: Timothy Grover, Ph.D.

Location: Ross Hall 3235

Telephone: 970.351.2647

Fax: 970.351.4197

Website: www.unco.edu/nhs/earth-atmospheric-sciences/

Faculty: Steven Anderson, Ph.D.; Graham B. Baird, Ph.D.; Sharon Bywater-Reyes, Ph.D.; Joe T. Elkins, Ph.D.; Emmett Evanoff, Ph.D.; Wendilyn Flynn, Ph.D.; David G. Lerach, Ph.D.; Lucinda Shellito, Ph.D.; Byron M. Straw, M.A.

Course(s) Offered (Prefix):

- AST — Astronomy (p. 246)
- ESCI — Earth Sciences (p. 294)
- GEOL — Geology (p. 302)
- MET — Meteorology (p. 319)
- OCN — Oceanography (p. 319)

Program(s) Offered:

- **Master's Degrees**
 - Earth Sciences (p. 120)
 - Environmental Geosciences P.S.M. (Professional Science Master's) (p. 132)

(p. 132)The Earth Sciences program includes the disciplines of geology, meteorology, and oceanography. Many of the undergraduate majors emphasize environmental science applications of those disciplines. Geology is the study of the earth, its structure, composition and history. Meteorology is the study of the atmosphere and the weather phenomena that affect our daily lives. Oceanography is the study of the physical, chemical, geological and biologic characteristics of the world's oceans. The undergraduate program in the earth sciences provides preparation for professional careers in geology, meteorology, secondary-level earth science teaching and various scientific careers in the environmental industry.

Mathematical Sciences

Chair: Jodie Novak, Ph.D.

Location: Ross Hall 2239

Telephone: 970.351.2820

Website: www.unco.edu/nhs/mathematical-sciences/

Faculty: Anton Dzhamay, Ph.D.; Nathaniel Eldredge, Ph.D.; Nancy Geisendorfer, M.A.; Christopher Harris, Ph.D.; Kristin Kang, Ph.D.; Gulden Karakok, Ph.D.; Betsy Kersey, Ph.D.; Oscar Levin, Ph.D.; Nathaniel G. Miller, Ph.D.; Katherine Morrison, Ph.D.; Jodie Novak, Ph.D.;

Robert A. Powers, Ed.D.; Lindsay Reiten, Ph.D.; Angela (Tisi) Steele, M.A.

Emeritus Faculty: Dean E. Allison, Ph.D.; William W. Bosch, Ph.D.; Ricardo Diaz, Ph.D.; Donald D. Elliott, Ph.D.; Jeffrey D. Farmer, Ph.D.; Richard M. Grassl, Ph.D.; Samuel R. Houston, Ph.D.; Steven C. Leth, Ph.D.; William D. Popejoy, Ed.D.; Donald L. Schmidt, Ph.D.; Terry A. Scott, Ph.D.; Donald T. Searls, Ph.D.; Igor N. Szczyrba, Ph.D.; Robert A. Tolar, Ph.D.

Course(s) Offered (Prefix):

- MATH — Mathematics (p. 310)
- MED — Mathematics Education (p. 316)
- MFT — Mathematics for Teachers (p. 320)
- STEM — Science, Technology, Engineering, and Mathematics Education (p. 362)

Program(s) Offered:

- **Master's Degrees**
 - **Mathematics M.A.**
 - Liberal Arts Concentration (p. 138)
 - Teaching Concentration (p. 139)
- **Doctoral Degree**
 - Mathematics Education PhD (p. 191)

Mathematics and related areas have been important human endeavors since ancient times. As a discipline, mathematics has its own questions, methods and content and has been used as a tool to explain the natural world for centuries. Mathematics, statistics and computer science have become essential to almost every other discipline such as the natural sciences, the social sciences, business, and economics.

Mathematical Sciences has faculty in mathematics, mathematics education, statistics and computer science. We offer a variety of undergraduate and graduate programs in these areas. In addition, courses and minors that we offer can be used as important components of a variety of other programs across the university.

School of Nursing

Director: Melissa Henry, Ph.D.

Location: Gunter 3080

Telephone: 970.351.2293

Fax: 970.351.1707

Website: www.unco.edu/nhs/nursing/

Faculty: Michael Aldridge, Ph.D.; Diana Becker, M.S.N.; Carolyn Bottone-Post, D.N.P.; Teresa Canfield, M.S.N.; Darcy A. Copeland, Ph.D.; Erin Cummins, M.S.N.; Barbara Garrity, M.S.N.; Lindsay Green, DNP; Courtney Gryskiewicz, M.S.N.; Mona Hebesly, PhD; Melissa L.

Henry, Ph.D.; Laura Henson, M.S.N.; Hannah Kammerzell, M.S.N.; Stephanie Krall, M.S.N.; Mark Longshore, PhD; Carlo G. Parker, Ph.D.; Natalie Pool, Ph.D.; Kathie Records, Ph.D.; Deborah E. Rojas, PhD.; Michaela Romero, D.N.P.

Emeritus Faculty: Nancy Quinn Beardslee, Ed.D.; Agnes Biegel, M.S.N.; Audrey J. Bopp, M.S.; Adah Bossart, M.S.; Lory Clukey, Ph.D, Psy.D.; Kathleen N. Dunemn, Ph.D.; Priscilla A. Faulkner, M.S.; Faye I. Hummel, Ph.D.; Joan T. Hurlock, M.S.; Virginia Kinnick, Ed.D.; Jane E. Koeckeritz, Ph.D.; Debra Leners, Ph.D.; Janice Hoot Martin, Ph.D.; Jeanette McNeill, DrPH; Alison S. Merrill, Ph.D.; Diane Peters, Ph.D.; Judith Richter, Ph.D.; Carol Roehrs, Ph.D.; Nancy E. White, Ph.D.; Vicki W. Wilson, Ph.D.

Course(s) Offered (Prefix):

- NURS — Nursing (p. 331)

Program(s) Offered:

- **Nursing M.S.N**
 - Family Nurse Practitioner FNP Concentration (p. 151)
 - Leadership Quality and Safety Concentration (p. 151)
- **Nursing D.N.P.**
 - Family Nurse Practitioner FNP Concentration Post Bachelors (p. 198)
 - Post Masters (p. 199)
- **Doctoral Degree**
 - Nursing Education PhD (p. 200)
- **Graduate Certificate**
 - Emergency Nurse Practitioner (ENP) (p. 218)
 - Family Nurse Practitioner (FNP) (p. 219)
 - Nursing Education (p. 224)The School of Nursing subscribes to the philosophy that nursing is both an art and a science which promotes, supports and restores optimal health in individuals, families and communities. Nursing is a caring profession that is an integral component of the health care delivery system.

Department of Rehabilitation and Human Services

Interim Chair: David Greene, Ph.D.

Location: Gunter 1250

Telephone: 970.351.2403

Fax: 970.351.1255

Website: www.unco.edu/nhs/rehabilitation-counseling-sciences/

Rehabilitation Faculty: Jill Bezyak, Ph.D.; Erin Moser, Ph.D.; Aryn Taylor, Ph.D.

Emeritus Faculty: Juliet H. Fried, Ed.D.; Dennis A. Gay, Ph.D.; Raymond E. Nelson, Ph.D.; Joseph N. Ososkie, Ph.D.

Course(s) Offered (Prefix):

- GERO — Gerontology (p. 304)
- RCS — Rehabilitation Counseling Science (p. 342)

Program(s) Offered:

- **Master's Degree**
 - Rehabilitation Counseling M.A. (p. 154)

The Department of Rehabilitation and Human Services houses the only rehabilitation degree program in Colorado. Students in this program are prepared at the professional level to work with people with physical and/or mental disabilities. The Rehabilitation Counseling graduate program includes experiences through practica and internships.

Careers in rehabilitation are available in areas of direct service, administration, teaching, and research.

Department of Kinesiology, Nutrition, and Dietetics

Director: David S. Hydock, Ph.D.

Location: Gunter 2590

Telephone: 970.351.2535

Website: www.unco.edu/nhs/sport-exercise-science/

Website: www.unco.edu/nhs/nutrition-dietetics/

Faculty: Lisa C. Caldwell, M.S., R.D.N.; Shannon M. Courtney, M.A.; Brian D. Dauenhauer, Ph.D.; Scott Douglas, Ph.D.; Abbie Ferris, Ph.D.; Catherine A. Gerweck, D.M.D., M.S., R.D.N.; J. Reid Hayward, Ph.D.; Gary D. Heise, Ph.D.; David S. Hydock, Ph.D.; Jennifer M. Krause, Ph.D.; Jaimie McMullen, Ph.D.; Alan Morse, Ph.D.; Nicholas Slagel, Ph.D., R.D.N.; Jeremy D. Smith, Ph.D.; Megan Babkes Stellino, Ed.D.; Laura Stewart, Ph.D.; Yoon Tae Sung, Ph.D.; James V. Turk, M.S.; Sara Winges, Ph.D.; Nicole A. Withrow, Ph.D., R.D.N.

Emeritus Faculty: Mary A. Behling, Ph.D.; Robert Blasi, M.A.; Cynthia Carlisle, Ed.D.; Alana D. Cline, Ph.D., R.D.N.; Carolyn A. Cody, Ph.D.; Carolyn Ann Dennehy, Ph.D.; Norma E. Egeness, M.A.; Jamie M. Erskine, Ph.D., R.D.N.; Margaret E. Everett, M.A.; Constance C. Francis, Ph.D., R.D.N.; Clara E. Funderburk, M.A.; Sherrie L. Frye, Ph.D.; Susan M. Gould, Ph.D., R.D.N.; Dianna P. Gray, Ph.D.; Rhonda Foss Hall, M.A.; Nancy Hinrichs, M.A.; Christy A. Howard, M.S.; Joyce C. Kliewer, Ed.D.; Jani Malkiewicz, M.A.; Theresa M. Malumphy, Ph.D.; Harold L. McKain, Jr., Ph.D.; Wleanor M. Peiffer, Ed.D.; D. Allen Phillips, Ed.D.; Tim B. Ramsey, M.A.; Linda A.

Sharp, B.A., J.D.; Nicholas Slagel, Ph.D.; Judith Stauter, M.S., R.D.N.; Doris C. Steffy, M.A.; Jim Stiehl, Ph.D.; David K. Stotlar, Ed.D.; JoAnn Taylor, Ed.D.; Nancy Van Anne, Ph.D.; Thurman Wright, D.P.E.

Course(s) Offered (Prefix):

- AT — Athletic Training (p. 246)
- FND — Food, Nutrition and Dietetics (p. 299)
- SES — Sport and Exercise Science (p. 346)

Program(s) Offered:

- **Master's Degrees - Nutrition and Dietetics**
 - Dietetics (p. 119)
 - Dietetic with Dietetic Internship (p. 119)
- Dietetic Internship Non-Degree (p. 234)
- **Master's Degrees - Sport and Exercise Science**
 - Athletic Training (p. 102)
 - Biomechanics Concentration (p. 166)
 - Exercise Physiology Concentration (p. 167)
 - Social Psychology of Sport and Physical Activity Concentration (p. 168)
 - Sport Administration Concentration (p. 169)
 - Sport Coaching (p. 170)
- **Doctoral Degrees - Sport and Exercise Science**
 - Biomechanics Concentration (p. 204)
 - Exercise Physiology Concentration (p. 205)
 - Social Psychology of Sport and Physical Activity Concentration (p. 206)
 - Sport Administration Concentration (p. 207)
 - Physical Education Physical Activity Leadership (p. 208)
- **Graduate Certificate**
 - Sport Coaching (p. 225)

The School of Sport and Exercise Science has a long and distinguished history of preparing individuals to assume leadership roles in sport and physical activity settings, and subscribes to the philosophy that physical activity and sport contribute to the overall quality of life. To this end, the School offers a variety of majors that provide students with the necessary coursework and experience to serve as a foundation for careers in the professions of physical education, exercise science, sport psychology, and sport management. Graduate programs in sport and exercise science provide an opportunity to go into greater depth in the study of human movement, pedagogy, and sport administration. Both theory and professional applications

are emphasized. The doctoral program seeks to develop critical thinkers with the conceptual and methodological tools for conducting meaningful research, and prepares individuals to teach courses at the college level and assume leadership positions in their respective disciplines.

Many research opportunities are available in the laboratories used by the School of Sport and Exercise Science. Facilities are available for the study and analysis of teaching physical education. The teaching research laboratory is equipped with state-of-the-art physical activity monitoring technology and analytic software for student and faculty use. Biomechanics facilities include motion analysis capabilities, a force-measuring treadmill, and electromyography systems. Applied research in exercise physiology takes place in well-equipped laboratories for analysis of fitness components (cardiorespiratory fitness, body composition, muscular fitness, flexibility/range of motion, and balance), and exercise physiology basic science research is done in laboratories equipped to examine physiological, biochemical, and molecular parameters. Research in social psychology of sport and physical activity is primarily conducted with individuals in natural or “field” settings. The Sport Marketing Research Institute conducts marketing and other industry research for Colorado and western region sport organizations. Affiliated with the School of Sport and Exercise Science is the University of Northern Colorado Cancer Rehabilitation Institute, one of the first programs of its kind in the United States.

Science Education Programs

Co-Coordinator: Jennifer Parrish, PhD

Location: Ross Hall 1520

Telephone: 970.351.1511

Email: Jennifer.Parrish@unco.edu

Co-Coordinator: Byron Straw, MA

Location: Ross Hall 3235

Telephone: 970.351.2470

Email: Byron.Straw@unco.edu

Website: www.unco.edu/nhs/science/

Course(s) Offered (Prefix):

- SCED — Science Education (p. 344)
- STEM — Science, Technology, Engineering, and Mathematics Education (p. 362)

Science Education has an M.A. in Science Education for those wishing to further their knowledge and expertise in teaching science. The program emphasizes pedagogy and offers a broad focus across the sciences or allows students to earn 18 credit hours in either Biology or Earth Science. Science Education collaborates closely with the Mathematics and Science Teaching (MAST) Institute as well as the School of Education in the College of Education and Behavioral Sciences.

COLLEGE OF PERFORMING AND VISUAL ARTS (PVA)

University Programs

Graduate Programs (p. 101)

Office of the Dean

Dean: Cristina Goletti, M.F.A.

Associate Dean: Melissa Malde, D.M.A.

Location: Guggenheim 206

Telephone: 970.351.2515

The University of Northern Colorado's College of Performing and Visual Arts draws on the extensive resources of the University and the Front Range region of Colorado to provide an outstanding milieu conducive to the development of arts professionals. Our students have transformative and inspiring experiences in a first-class environment that includes advanced technology laboratories in all the arts, contemporary dance studios, traditional and experimental theatre spaces, unparalleled music resources, and studios in the diverse disciplines of the visual arts. The College combines the best of the time-honored academy tradition and the most current and prescient ideas in the arts with the liberal arts education of a major university.

The College of Performing and Visual Arts has an exceptional reputation for offering in-depth study of music, theatre arts, dance, and art and design. The College offers undergraduate and graduate degrees, as well as lifelong learning programs that integrate up-to-date facilities, accessible and highly acclaimed faculty members, practicum experiences with leading arts agencies, and the rich cultural attractions of the region into a well rounded and valuable curriculum.

Whether you are interested in becoming a high school art teacher, an orchestra conductor, a choreographer of modern dance, a stage manager, graphic designer, composer of contemporary jazz, a performance artist, actor, or any one of hundreds of arts professions, you will find the University of Northern Colorado the place to expand and nurture your talent. If you choose to join the College, and its distinguished and accomplished faculty, you will be following in the footsteps of alumni who have been succeeding in and creating the arts of today and the future.

School of Art and Design

Director: Donna Goodwin, Ph.D.

Location: Guggenheim

Telephone: 970.351.2993

Website: arts.unco.edu/art/

Faculty: Samuel Dong Saul, M.F.A.; Lauren Eisen, M.F.A.; Mark Fetkewicz, M.F.A.; Kiki Gilderhus, Ph.D.; Donna Goodwin, Ph.D.; Michael Lemke M.F.A.; Andrew Liccardo, M.F.A.; Bri Murphy, M.F.A.; Hye Jeong Park, Ph.D.; Abi Paytoe Gbayee, Ph.D.; Connie Stewart, Ph.D.; Anna Ursyn, Ph.D..

In the School of Art and Design, students explore a multitude of media and art forms, scholarship, and research, discovering pathways for personal artistry along with professional applications. We cultivate creative futures for a diverse student population through a commitment to rigorous studio-arts-based education, incorporating personal and connected expression with the potential to affect broader change. Within our programs, we encourage experimental and innovative integration of new and traditional media, informed by contemporary theory and broader cultural exploration past and present. Students develop a nuanced understanding of visual expression, contextualization, and critical examination. For those interested in art education, we offer the opportunity to develop an expanded capacity for enriching the next generation of creative minds in schools and beyond.

Course(s) Offered (Prefix):

- ART— Visual Arts (p. 244)

Program(s) Offered:

- **Master's Degrees:**
 - Art and Design (p. 101)

School of Music

Interim Director: Melissa Malde, D.M.A.

Interim Associate Director: Carissa Reddick, Ph.D.

Location: Frasier Hall 108

Telephone: 970.351.2993

Website: arts.unco.edu/music/

Graduate Coordinator: Carissa Reddick, Ph.D.

Faculty: John Adler, D.M.A.; Erik Applegate, M.M.; Jonathan Bellman, D.M.A.; Mary Kathryn Brewer, D.A.; Wesley Broadnax, Ph.D.; Jill Burleson Burgett, D.A.; Brian Casey, D.M.A.; Clelyn Chapin, D.M.A.; Logan Contreras, D.M.A.; Andrew Dahlke, D.M.A.; Janice Dickensheets, D.A.; Ludek Drizhal, M.M.; Paul Elwood,

Ph.D.; Daniel Farr, D.M.A.; Lindsay Fulcher, Ph.D.; Jubal Fulks, D.M.A.; Socrates Garcia, D.A.; James Hall, D.M.A.; Lauren Jacobson, M.M.; Deborah Kauffman, D.M.A.; Stephen Kovalcheck, D.M.A.; Reiner Krämer, Ph.D.; Dana B. Landry, M.M.; HeeSeung Lee, Ph.D.; Brian Clay Luedloff, M.F.A.; Melissa Malde, D.M.A.; Joe McAllister, D.A.; Charles Moore, D.M.A.; Sally Murphy, D.M.; Sarah Off-Fixmer, D.M.A.; Michael Oravitz, Ph.D.; Carissa Reddick, Ph.D.; Krissie Weimer, Ph.D.; Leo Welch, D.M.; Lei Weng, D.M.A.; James White, M.A.; Nathaniel G. Wickham, D.M.A.; Shawn Williams, D.A.; William Wilson, M.M.; Drew Zaremba, M.M.; Adam Zukiewicz, D.M.A.

Course(s) Offered (Prefix):

- MUS — Music (p. 321)

Program(s) Offered:

• Master of Music Degrees:

- Collaborative Piano Concentration (p. 143)
- Conducting Concentration (p. 144)
- Instrumental Performance Concentration (p. 145)
- Jazz Studies Concentration (p. 96)
- Education Concentration (p. 146)
- History and Literature Concentration (p. 147)
- Composition Concentration (p. 148)
- Theory Concentration (p. 149)
- Vocal Performance Concentration (p. 149)

• Doctoral Degrees

- Music DA (p. 192)
- Composition Concentration (p. 194)
- Education Concentration (p. 195)
- History and Literature Concentration (p. 197)

• Graduate Certificate

- Music Performance (p. 223)

Approximately 450 music majors annually have made UNC's School of Music their choice for many reasons. The School of Music offers nationally recognized faculty with specialists on every instrument. There are more than 50 performing ensembles, a number of which are nationally recognized.

The UNC School of Music, with 37 full-time and 20 part-time faculty, is organized into seven program areas, each with an area head. The program areas are Winds and Percussion, Strings, Keyboard, Vocal, Academic Studies, Music Education, and Jazz Studies.

Students may choose from a full range of degrees, bachelor through doctoral programs, and from concentrations in performance, conducting, music education, music theory, jazz studies, and music history. Considerable variety and depth of course offerings are available at UNC.

General objectives of the University of Northern Colorado School of Music are based on service and leadership in the arts at local, state, regional, national and international levels.

An integral unit within the University, the School of Music embraces the role and mission statements of the University of Northern Colorado and has designed its goals and objectives to support and enhance institutional purposes and directions.

The primary goal of the UNC School of Music is to develop skilled and sensitive musicians at the undergraduate, master's and doctoral levels, including performers, conductors, educators, composers, historians, theorists and music administrators. The UNC School of Music maintains a two-fold objective of providing the strongest preparation possible in music education, theory, and history, while encouraging the highest standards of performance.

School of Music graduates are well regarded in the professional world. UNC-prepared educators hold positions at universities, colleges, high schools, junior high and elementary schools throughout the United States and the world. School of Music performance graduates are found in professional symphony orchestras, opera and musical theatre repertory companies, the nation's premier military ensembles, prominent free-lance positions in metropolitan centers, and in professional chamber ensembles and jazz bands.

Curricular Practical Training

UNC School of Music students routinely participate in paid and unpaid teaching and performance opportunities both on and off campus to develop as performers and educators during their degree programs. Although the expectation is not explicit in the credit requirements, practical application and participation is an expected and necessary part of the curriculum for all School of Music students. Students are expected to work with their applied teacher and area faculty to evaluate the applicability of teaching or performance opportunities to their program of study.

Major Musical Organizations

MUSIC THEORY:

MUS 501

MUS 502

MUS 503

MUS 504

MUS 505

MUS 603

MUS 604

MUSIC HISTORY:

MUS 643

MUS 644

MUS 645

MUS 646

MUS 647

MUS 649

MUS 651

MUS 652

MUS 653

MUS 657

INSTRUMENTAL PERFORMANCE (based on applied area)

MUS 636

MUS 637

MUS 665

MUS 670

MUS 671

MUS 673

MUS 674

MUS 675

MUS 677

MAJOR MUSICAL ORGANIZATIONS:

MUS 624*

MUS 625*

MUS 667

MUS 668

MUS 680

MUS 681

MUS 684

MUS 688

MUS 690

MUS 691 W

*For Jazz studies students and other students whose primary applied lessons are in jazz, the following Major Musical Organizations apply.

ENSEMBLE BY ADVISEMENT (For Collaborative Piano):

In addition to Major Musical Organizations listed above:

MUS 630

MUS 666

MUS 668

MUS 682

MUS 685

Graduate Admission Requirements

Prerequisite to admission to any graduate program in Music is completion of an appropriate undergraduate music degree. Admission will be based on an evaluation of the student's competencies and the content of the undergraduate program.

The student must take the appropriate Advisory Examinations in Music Education, Music History, and Music Theory administered by the School of Music faculty upon the student's arrival on campus. Students with an instrumental concentration may be required to take written examinations on technique in their performance area.

All graduate students enrolling in the School of Music as majors are expected to attend major recitals, concerts, productions, and convocations on a regular basis as part of their course program.

Candidates will take a written comprehensive examination at a time approved by their major advisor.

Master's Programs. An audition in the major applied area is required of all entering graduate students, and three letters of recommendation are also required of Music Education majors.

Doctoral Program. An audition in the major applied area is required of all entering graduate students. A minimum of two years public school teaching experience is required of D.A. (Music Education) applicants. Three letters of recommendation are required of all applicants.

School of Theatre Arts and Dance

Interim Director: Anne Toewe, Ph.D.

Location: Frasier Hall 108

Theatre Arts – 970.351.2991

Website: arts.unco.edu/theatre/

Graduate Coordinator: Mary Schuttler, Ph.D.

Faculty: Monte Black, M.F.A.; Joshua Chenard, M.F.A.; Kimberly Clay, M.F.A.; Ryan Driscoll, M.M.; Michelle Gaza, M.F.A.; Brian Hapcic, M.F.A.; Randall Harmon, Ph.D.; Mary Houston, M.F.A.; Carrie Klofach, D.M.A.; John R. Leonard, M.F.A.; Gillian McNally, M.F.A.; Andrea Moon, Ph.D.; DJ Pike, M.F.A.; Mary Schuttler, Ph.D.; Anne Toewe, Ph.D.; Ken Womble, M.F.A.

Course(s) Offered (Prefix):

- DNCE — Dance (p. 267)
- THEA — Theatre Arts (p. 364)
- THED — Theatre Education (p. 98)

Program(s) Offered:

- **Master's Degrees:**
 - Dance Education (p. 118)
 - Theatre Education (p. 172)

UNC's Theatre Arts program combines online and classroom instruction with first-hand experiences in theatre education. General objectives of the University of Northern Colorado School of Theatre Arts and Dance are based on service and leadership in the arts at local, state, regional and national levels. An integral unit within the University, the School embraces the role and mission of the University and has designed its goals and objectives to support and enhance institutional purposes and directions.

UNIVERSITY LIBRARIES

Dean: Sheila Yeh, Ph.D.

Interim Assistant Dean: Jennifer Mayer, M.L.I.S.

Location: James A. Michener Library

Phone: 970-351-2671

Fax: 970-351-2963

Email: libraries@unco.edu

Website: www.unco.edu/library

Faculty: Jayne R. Blodgett, M.L.I.S.; Rachel Dineen, M.L.I.S.; Annie Epperson, M.S.L.S.; Melissa Gurney Schultz, M.L.I.S.; Henke, Nancy, M.A.; Darren Ilett, Ph.D.; Jennifer J. Leffler, M.A.; Brianne Markowski, M.A.; Jennifer Mayer, M.L.I.S.; Kate Okayasu, M.A.; Margarita Shawcross, M.L.I.S.; Jay Trask, M.L.I.S.; Stephanie Ward, M.L.S.; Nicole Webber, M.L.I.S.; Stephanie Wiegand, M.L.S.; Sheila Yeh, Ph.D.

Emeritus Faculty: Mark Anderson, M.L.I.S.; Joan Lamborn, A.M.L.S.; Kay Lowell, M.L.S.; Stephen Luttmann, M.L.S.; Helen Reed, AMLA

Course(s) Offered (Prefix):

- LIB – University Libraries

View University Libraries services.

GRADUATE PROGRAMS

Master's Degrees

ART AND DESIGN M.A.

PROGRAM OVERVIEW

College of Performing and Visual Arts

General Master's Degree Admission Requirements (p. 16)

Director: Donna Goodwin, Ph.D.

Location: Guggenheim 103

Telephone: 970.351.2993

Website: arts.unco.edu/art

The graduate program in the School of Art & Design leads to the Master of Arts degree. It offers an in-depth and individualized course of study. The program provides opportunities to develop advanced expertise in studio arts. The M.A. degree can also be used in preparation for further, more advanced, graduate studies. It is the goal of the School of Art & Design to encourage, foster, and provide academic rigor and artistic excellence.

The final requirement for the M.A. is an arts-based research project/exhibition and panel defense.

Prerequisites. Students who have completed an undergraduate degree in art or art education or the equivalent. An applicant who does not have an undergraduate major in art or art education, or its equivalent, may be required to complete specified coursework or demonstrate competency in specific areas of study before beginning the program.

DEGREE REQUIREMENTS — 30 CREDITS

Required Major Credits — 18 hours

ART 525	Graduate Studio Practice	3
ART 547	Multimedia in Arts Studio	3
ART 549	Current Issues in Art	3
ART 590	Studio Concepts and Application	3
ART 600	Research Methods in Art	3
ART 690	Research Capstone	3

Required Art Studio Elective Credits — 12 hours

Select any courses from the list below to fulfill this requirement. These are Art Studio courses that are repeatable up to 9 credits each, allowing students to customize their area of focus.

ART 508	Workshop in Art	1-4
ART 539	Computer Graphics Studio	3
ART 615	Ceramic Studio	3
ART 635	Drawing Studio	3
ART 636	Painting Studio	3

ART 655	Printmaking Studio	3
ART 660	Sculpture Studio	3
ART 672	Photography Studio	3
ART 675	Integrated Media Arts Studio	3

APPLIED STATISTICS AND RESEARCH METHODS M.S.

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Master's Degree Admission Requirements (p. 16)

Chair: Randy Larkins, Ph.D.

Location: McKee 520

Telephone: 970-351-2807

Website: www.unco.edu/cebs/applied-statistics-research-methods/about-us.aspx

Students planning on concentrating on applied statistics need a working knowledge of calculus and linear algebra. Students must also provide a written statement regarding the relationship of the Master's program to the student's professional goals.

Completion of this degree will enable the graduate to seek employment in a career field requiring the application of statistical or research methodology, for example: data analysis or experimental design; to teach in a community or junior college; to work as an evaluation/assessment specialist in a public school setting; or to enter a Ph.D. program in statistics, educational research, or a related area.

DEGREE REQUIREMENTS — 30-35 CREDITS

Required Major Credits — 11 hours

SRM 502	Applied Statistics	3
SRM 520	Introduction to Statistical Computing	1
SRM 531	Research and Statistical Consulting I	1
SRM 600	Introduction to Graduate Research	3
SRM 697	Master's Project	3

Select One Concentration Area — 19-24 hours

1. Applied Statistics Concentration — 24 hours

SRM 551	Mathematical Statistics with Applications I	4
SRM 552	Mathematical Statistics with Applications II	4
SRM 608	Experimental Design	3
SRM 610	Statistical Methods III	3

SRM 625	Applied Multiple Regression Analysis	3
SRM 635	Categorical Data Analysis	3
	Elective Credits (minimum)	4
2. Research Methods Concentration — 19 hours		
PSY 674	Measurement I: Classical Test Theory	3
SRM 665	Data Analysis for Decision-Making	3
SRM 670	Evaluation: Models and Designs	3
SRM 680	Introduction to Qualitative Research	3
	Elective Credits (minimum)	4
Choose 3 credits from:		
SRM 625	Applied Multiple Regression Analysis	3
SRM 660	Mixed Methods Research	3
SRM 685	Educational Ethnography	3
SRM 686	Qualitative Case Study Research	3
SRM 687	Narrative Inquiry	3

Students may substitute SRM 521 or SRM 522 for SRM 520 and students who select Applied Statistics concentration may substitute SRM 606 for SRM 625. Students enrolled in summers-only or evenings-only programs may substitute SRM 602 and SRM 603 for SRM 502 and SRM 520. Electives must be approved by advisor prior to enrollment.

ATHLETIC TRAINING M.S.

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Master's Degree Admission Requirements (p. 16)

Location: Gunter 2590

Telephone: 970-351-2755

Fax: 970-351-1489

Website: www.unco.edu/nhs/sport-exercise-science/

The Master of Science in Athletic Training program is an entry-level professional program that prepares a student for a career as a Certified Athletic Trainer. Athletic Trainers are medical experts in preventing, recognizing, managing, and rehabilitating injuries that result from physical activity. Athletic training is recognized by the American Medical Association as an allied health care profession. This program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Upon successful completion of this program, the student will have fulfilled the requirements to take the Athletic Training certification examination administered by the Board of Certification, Inc.

DEGREE REQUIREMENTS — 54 HOURS

Required Major Credits — 36 hours

AT 500	Foundations of Athletic Training I	3
AT 501	Foundations of Athletic Training II	2
AT 510	Techniques in Athletic Training I	2
AT 511	Techniques in Athletic Training II	3
AT 520	Physical Examination I	3
AT 521	Physical Examination II	2
AT 530	Therapeutic Interventions I	2
AT 531	Therapeutic Interventions II	2
AT 540	Diagnosis and Management of General Medical Conditions	4
AT 550	Administrative Concepts in Athletic Training	3
AT 560	Health Promotion, Wellness, and Performance Enhancement	3
AT 591	Seminar in Athletic Training	2
SES 602	Introduction to Research in Sport and Exercise Science	3

AT 591 - Take 4 credit hours

Supervised Clinical Practicum — 18 hours

AT 592	Clinical Immersion in Athletic Training	3-6
AT 593	Clinical Practicum in Athletic Training I	1
AT 594	Clinical Practicum in Athletic Training II	2

AT 592 - Take 15 credit hours

Program Notes

The Master of Science in Athletic Training is accredited by the Commission on Accreditation of Athletic Training Education (CAATE), 850 Austin Center Blvd., Suite 100 Austin, TX 78731-3184, (512) 733-9700. With successful completion of the program, the graduate is eligible to take the national certification exam to become a Certified Athletic Trainer.

Potential applicants are required to submit an application to Athletic Training Centralized Application Services (ATCAS) in addition to submitting an application to the Graduate School at the University of Northern Colorado. Admission to the Graduate School does not guarantee admission into the Athletic Training graduate program.

The program is offered according to a cohort model in which all students take the courses in the same sequence. A required comprehensive examination must be successfully completed during the student's final semester in the program.

BIOLOGICAL SCIENCES M.S. – NON-THESIS CONCENTRATION

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Master's Degree Admission Requirements (p. 16)

Director: Mitchell E. McLaughlin, Ph.D.

Location: Ross Hall 2480

Telephone: 970.351.2921

Website: www.unco.edu/nhs/biology/

The non-thesis concentration is designed to be as flexible as possible. It is intended for those who wish to expand their background in biological sciences content, including biology and science teachers. Non-thesis students must pass an examination to be administered by the advisor in the form of a written paper or equivalent project covering some aspect of their program of study.

DEGREE REQUIREMENTS — 30 CREDITS

Research Core — 3 hours

Choose 3 hours from the following courses:

BIO 502	Biomedicine and Careers	1
BIO 556	Current Topics in Biomedical Research	2
BIO 565	Current Topics in Ecology and Evolutionary Research	2
BIO 584	Current Topics in Biological Education Research	2
BIO 591	Biology Roundtable	1
BIO 594	Foundations of Biological Research	2
BIO 596	Foundations of Clinical Research	2
BIO 691	Seminar in Biological Sciences	1
SRM 600	Introduction to Graduate Research	3
SRM 602	Statistical Methods I	3
SRM 603	Statistical Methods II	3

Content Elective Credits — 27 hours

BIO 502	Biomedicine and Careers	1
BIO 508	Workshop	1-3
BIO 511	Field Techniques in Biology	2
BIO 512	TA Development Seminar	1
BIO 521	Advanced Genetics	3
BIO 525	Molecular Genetics	3
BIO 528	Developmental Biology	3
BIO 530	Plant Systematics	4
BIO 533	General Parasitology	4
BIO 534	Mammalogy	4
BIO 535	Survey of Fishes, Amphibians and Reptiles	4
BIO 536	Epigenetics and Disease	3
BIO 537	Morphogenesis of Algae and Fungi	4

BIO 538	Ornithology	4
BIO 539	Molecular Ecology	3
BIO 539L	Molecular Ecology Lab	1
BIO 541	Advanced Human Anatomy	3
BIO 542	Molecular and Cellular Laboratory	2
BIO 544	Comparative Vertebrate Adaptations	4
BIO 545	Pathogenic Microbiology	3
BIO 546	Pathogenic Microbiology Laboratory	1
BIO 547	Immunology and Disease	3
BIO 548	Virology	3
BIO 549	Virology Laboratory	1
BIO 550	Cell Physiology	3
BIO 552	Advanced Systemic Physiology: Homeostats	3
BIO 553	Advanced Systemic Physiology: Control Systems	3
BIO 554	General Plant Physiology	4
BIO 555	Reproductive Biology	3
BIO 556	Current Topics in Biomedical Research	2
BIO 560	Behavioral Ecology	3
BIO 561	Plant Ecology	3
BIO 562	Conservation Biology	3
BIO 563	Animal Communication	3
BIO 564	Plant Ecology Lab	1
BIO 565	Current Topics in Ecology and Evolutionary Research	2
BIO 566	Animal Physiological Ecology	3
BIO 568	Disturbance Ecology	3
BIO 570	Coevolution in Ecological Systems	3
BIO 572	Species and Speciation	3
BIO 576	Pharmacology	3
BIO 578	Pathobiology	3
BIO 579	Using Controversial Topics to Teach Nature of Science	3
BIO 580	Mammalian Endocrinology	3
BIO 581	Neurobiology	3
BIO 582	Cancer Biology	3
BIO 584	Current Topics in Biological Education Research	2
BIO 591	Biology Roundtable	1
BIO 595	Special Topics in Biology	1-6
BIO 605	Global Change	3
BIO 622	Directed Studies	1-4
BIO 631	Teaching College Biology	3
BIO 632	College Biology Course Development	3
BIO 691	Seminar in Biological Sciences	1
BIO 697	Graduate Research	1-6
CHEM 581	General Biochemistry I	4
CHEM 582	General Biochemistry II	4
EDF 685	Philosophical Foundations of Education	3

GEOG 507	Geographic Information Science	3
GEOG 540	Biogeography	3
HESA 650	College Student Development: Foundational Theory	3
HESA 668	College Students: Culture, Characteristics, Campus Life	3
MET 551	Climatology	3
PSY 500	Educational Psychology for Teachers	3
PSY 540	Theories and Principles of Learning	3
PSY 575	Educational Assessment	3
PSY 581	Brain and Education	3
PSY 587	Social Cognitive Neuroscience	3
PSY 640	Cultural Issues in Education Psychology	3
PSY 644	Motivation in Education	3
PSY 674	Measurement I: Classical Test Theory	3
PSY 675	Measurement II: Contemporary Test Theory	3
PSY 681	Learning and Instruction	3
PSY 682	Cognition and Instruction II	3
SCED 530	Laboratory, Field, and Studio Safety	1
SCED 578	K-12 Science Inquiry	3
SCED 678	Science Education Seminar	1-2
SCED 695	Action Research in Science Education I	1
SCED 696	Action Research in Science Education II	1
SCED 697	Action Research in Science Education III	1
SRM 602	Statistical Methods I	3
SRM 603	Statistical Methods II	3

Note: A student can count a maximum of 2 credits from the following list of courses: BIO 556, BIO 565, BIO 584, BIO 591, BIO 691, SCED 678.

Note: A student can count a maximum of 3 credits from the following list of courses: BIO 622, BIO 697, SCED 695, SCED 696, SCED 697.

Note: A student can count a maximum of 10 credits from the following list of double-numbered courses: BIO 530, BIO 533, BIO 534, BIO 535, BIO 537, BIO 538, BIO 554, BIO 562, BIO 566, BIO 576.

Note: A student can count a maximum of 9 graduate credits with a non-BIO heading.

Non-Thesis Concentration

Students also must pass a written comprehensive exam on topics learned in their graduate coursework, administered by their advisor. This final proof of graduate-level proficiency needs to be completed before the deadline assigned by the Graduate School.

BIOLOGICAL SCIENCES M.S. – THESIS CONCENTRATION

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Master's Degree Admission Requirements (p. 16)

Director: Mitchell E. McLaughlin, Ph.D.

Location: Ross Hall 2480

Telephone: 970.351.2921

Website: www.unco.edu/nhs/biology/

This concentration is designed for students wishing to broaden their background in the biological sciences and to develop research skills in preparation for a doctoral program, or technical or research career. Students will gain background in biology content and in research to allow them to enter professional fields of biology requiring advanced training or to pursue advanced studies. Results of the thesis research must be presented orally in a seminar to the faculty in the School of Biological Sciences during the last semester prior to graduation.

DEGREE REQUIREMENTS — 30 CREDITS

Research Core — 4 hours

BIO 594	Foundations of Biological Research	2
BIO 691	Seminar in Biological Sciences	1

BIO 691: Two required hours

Content Elective Credits — 15-17 hours

BIO 512	TA Development Seminar	1
BIO 511	Field Techniques in Biology	2
BIO 521	Advanced Genetics	3
BIO 525	Molecular Genetics	3
BIO 528	Developmental Biology	3
BIO 530	Plant Systematics	4
BIO 533	General Parasitology	4
BIO 534	Mammalogy	4
BIO 535	Survey of Fishes, Amphibians and Reptiles	4
BIO 537	Morphogenesis of Algae and Fungi	4
BIO 538	Ornithology	4
BIO 539	Molecular Ecology	3
BIO 539L	Molecular Ecology Lab	1
BIO 541	Advanced Human Anatomy	3
BIO 542	Molecular and Cellular Laboratory	2
BIO 544	Comparative Vertebrate Adaptations	4
BIO 545	Pathogenic Microbiology	3
BIO 546	Pathogenic Microbiology Laboratory	1
BIO 547	Immunology and Disease	3
BIO 548	Virology	3
BIO 549	Virology Laboratory	1

BIO 550	Cell Physiology	3
BIO 552	Advanced Systemic Physiology: Homeostats	3
BIO 553	Advanced Systemic Physiology: Control Systems	3
BIO 554	General Plant Physiology	4
BIO 555	Reproductive Biology	3
BIO 556	Current Topics in Biomedical Research	2
BIO 560	Behavioral Ecology	3
BIO 561	Plant Ecology	3
BIO 562	Conservation Biology	3
BIO 563	Animal Communication	3
BIO 564	Plant Ecology Lab	1
BIO 565	Current Topics in Ecology and Evolutionary Research	2
BIO 566	Animal Physiological Ecology	3
BIO 568	Disturbance Ecology	3
BIO 570	Coevolution in Ecological Systems	3
BIO 572	Species and Speciation	3
BIO 576	Pharmacology	3
BIO 578	Pathobiology	3
BIO 580	Mammalian Endocrinology	3
BIO 581	Neurobiology	3
BIO 582	Cancer Biology	3
CHEM 581	General Biochemistry I	4
CHEM 582	General Biochemistry II	4
GEOG 507	Geographic Information Science	3
GEOG 540	Biogeography	3

NOTE: A student can count a maximum of 8 credits from the following list of double-numbered courses: BIO 530, BIO 533, BIO 534, BIO 535, BIO 537, BIO 538, BIO 554, BIO 562, BIO 566, BIO 576

Enrichment and Non-Scheduled Electives — 3-5 hours

BIO 508	Workshop	1-3
BIO 513	Professional Renewal	1-3
BIO 585	Topics in Field Biology	1-0
BIO 591	Biology Roundtable	1
BIO 592	Internship in Biological Sciences	1-3
BIO 595	Special Topics in Biology	1-6
BIO 622	Directed Studies	1-4
SCED 513	Professional Renewal	1-2

BIO 591: Limit 2 hours

BIO 508, BIO 513, BIO 622, and SCED 513: See "Variable Topic Courses" (p. 48).

NOTES: Students must complete a minimum of 50 semester hours in biological science of combined undergraduate and graduate courses.

Thesis Concentration — 6 hours

BIO 699	Thesis	1-6
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BIO 699: Research Elective, Take 6 hours

BIOMEDICAL SCIENCE M.B.S.

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Master's Degree Admission Requirements (p. 16)

Director: Mitchell E. McGlaughlin, Ph.D.

Location: Ross Hall 2480

Telephone: 970.351.2921

Website: www.unco.edu/nhs/biology/

The Master's in Biomedical Science program has been designed to provide academic enhancement within a one-year time-frame to improve or substantially expand a post-graduate student's overall scholastic credentials. The program will provide a foundation in basic biology that underlies and supports medicine and therefore provides a strong framework for professional school curricula. The MBS program is appropriate for students considering a future in medicine, dentistry, veterinary medicine or biomedically related Ph.D. programs. Students will be required to pass a comprehensive examination covering material from core courses in order to graduate from the program.

DEGREE REQUIREMENTS — 30 CREDITS

Required Major Credits — 15 hours

BIO 502	Biomedicine and Careers	1
BIO 525	Molecular Genetics	3
BIO 550	Cell Physiology	3
BIO 552	Advanced Systemic Physiology: Homeostats	3
BIO 553	Advanced Systemic Physiology: Control Systems	3
BIO 596	Foundations of Clinical Research	2

Exit Examination: Students will be required to pass a comprehensive examination covering material from core courses in order to graduate from the program.

Elective Credits — Must have at least 15 credits from the list below

Other 500 level courses with a BIO prefix or a course in Biochemistry may be substituted with prior approval.

BIO 528	Developmental Biology	3
BIO 536	Epigenetics and Disease	3
BIO 541	Advanced Human Anatomy	3
BIO 542	Molecular and Cellular Laboratory	2
BIO 545	Pathogenic Microbiology	3
BIO 547	Immunology and Disease	3
BIO 548	Virology	3
BIO 555	Reproductive Biology	3
BIO 576	Pharmacology	3
BIO 580	Mammalian Endocrinology	3
BIO 581	Neurobiology	3
BIO 582	Cancer Biology	3

**BUSINESS ADMINISTRATION M.B.A. –
ACCOUNTING ANALYTICS
CONCENTRATION**

PROGRAM OVERVIEW

Kenneth W. Monfort College of Business

General Master’s Degree Admission Requirements (p. 16)

MBA Director & Advisor: Abe Harraf, Ph.D.

Location: Kepner 1090D

Telephone: 970-351-1116

Website: mcb.unco.edu/programs/graduate-programs.aspx

The Master of Business Administration at University of Northern Colorado is designed to prepare the students for managerial positions in for profit, not-for-profit and government settings. The flexibility of the program allows for both part time and full time students to take advantage of the state of the art curriculum under supervision of experienced faculty whose academic and professional experience garnered the prestigious Malcom Baldrige award for the college.

Each course blends theoretical and practical aspect of decision making under varied business conditions enabling students to apply their academic and professional experiences in solving the challenging and ever-changing managerial problems. The program is intended to utilize an integrated approach across functional disciplines equipping students to approach their managerial roles and responsibilities holistically throughout their professional life. The program also provides an opportunity to all qualified students to pursue their graduate business course of study regardless of their undergraduate major.

The program consists of non-credit required modules, core courses, and elective credits that will culminate in a concentration.

MBA Program Learning Goals and Objectives

As part of the Monfort College of Business’ continuous improvement efforts, it has developed the following learning goals and objectives. The outcomes related to these learning goals and objectives are measured and the results are reviewed by faculty. Corrective actions are taken as needed to ensure a superior learning experience for our students.

Learning Goals	Learning Objectives
Demonstrate proficiency with key business knowledge	Students will be able to integrate knowledge from all business disciplines applying current and emerging business knowledge and technology to make decisions in complex environments, and propose

feasible alternatives at a proficient level.

Demonstrate ethical awareness	Students will demonstrate ethical awareness by employing an ethical framework to identify possible ethical issues or problems and analyze the consequences for various stakeholders.
Demonstrate conceptual and analytical skills	Students will analyze data and information to identify key problems, generate and evaluate appropriate alternatives to make effective decisions.
Demonstrate effective communication skills	Students will prepare professional quality written documents on a business topic.
Demonstrate knowledge of how businesses operate in a global environment	Students will demonstrate awareness and understanding of the international challenges that encompass cultural, financial, legal, and other international situations.

DEGREE REQUIREMENTS — 36 CREDITS

MBA Non-Credit Foundation Modules (Students are allowed to take only MBA 654 while they are taking the MBA foundation modules. Successful completion of the MBA foundation modules is a prerequisite for all other courses.)

Required Core — 24 Credit Hours

MBA 605	Data Analytics and Visualization	3
MBA 610	Managerial Accounting	3
MBA 650	Economics of Managerial Decisions	3
MBA 654	Ethical Leadership and Organizational Behavior	3
MBA 656	Strategic Management	3
MBA 658	Advanced International Business	3
MBA 660	Marketing Management	3
MBA 670	Advanced Financial Management	3

Students with an undergraduate degree in accounting will replace MBA 610 Managerial Accounting with an MBA elective.

Concentration Courses — 9 Credit Hours

MBA 611	Fundamentals of Accounting Analytics	3
MBA 613	Financial Analytics	3
MBA 614	Fraud Analytics	3

General Elective — Choose any 3 Credit Hours

MBA 612	CPA Preparation	3
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MBA 661	Consumer Behavior	3
MBA 662	Digital Marketing	3
MBA 663	Services Marketing Strategy	3
MBA 664	Project Management Fundamentals	3
MBA 667	Six Sigma	3
MBA 668	Lean Transformation	3
MBA 669	Advanced Supply Chain Management	3
MBA 675	Healthcare Systems	3
MBA 676	Healthcare by the Numbers	3
MBA 677	Managing Qualitative Issues in Healthcare Organizations	3
MBA 681	Talent Management	3
MBA 683	Compensation, Rewards, and Performance Management	3
MBA 684	Managing Organizational Change	3
MBA 695	Special Topics in Business	1-3

BUSINESS ADMINISTRATION M.B.A. – FINANCE CONCENTRATION

PROGRAM OVERVIEW

Kenneth W. Monfort College of Business

General Master's Degree Admission Requirements (p. 16)

MBA Director & Advisor: Abe Harraf, Ph.D.

Location: Kepner 1090D

Telephone: 970-351-1116

Website: mcb.unco.edu/programs/graduate-programs.aspx

The Master of Business Administration at University of Northern Colorado is designed to prepare the students for managerial positions in for profit, not-for-profit and government settings. The flexibility of the program allows for both part time and full time students to take advantage of the state of the art curriculum under supervision of experienced faculty whose academic and professional experience garnered the prestigious Malcom Baldrige award for the college.

Each course blends theoretical and practical aspect of decision making under varied business conditions enabling students to apply their academic and professional experiences in solving the challenging and ever-changing managerial problems. The program is intended to utilize an integrated approach across functional disciplines equipping students to approach their managerial roles and responsibilities holistically throughout their professional life. The program also provides an opportunity to all qualified students to pursue their graduate business course of study regardless of their undergraduate major.

The program consists of non-credit required modules, core courses, and elective credits that will culminate in a concentration.

MBA Program Learning Goals and Objectives

As part of the Monfort College of Business' continuous improvement efforts, it has developed the following learning goals and objectives. The outcomes related to these learning goals and objectives are measured and the results are reviewed by faculty. Corrective actions are taken as needed to ensure a superior learning experience for our students.

Learning Goals Learning Objectives

Demonstrate proficiency with key business knowledge	Students will be able to integrate knowledge from all business disciplines applying current and emerging business knowledge and technology to make decisions in complex environments, and propose feasible alternatives at a proficient level.
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Demonstrate ethical awareness	Students will demonstrate ethical awareness by employing an ethical framework to identify possible ethical issues or problems and analyze the consequences for various stakeholders.
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Demonstrate conceptual and analytical skills	Students will analyze data and information to identify key problems, generate and evaluate appropriate alternatives to make effective decisions.
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Demonstrate effective communication skills	Students will prepare professional quality written documents on a business topic.
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Demonstrate knowledge of how businesses operate in a global environment	Students will demonstrate awareness and understanding of the international challenges that encompass cultural, financial, legal, and other international situations.
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DEGREE REQUIREMENTS — 36 CREDITS

MBA Non-Credit Foundation Modules (Students are allowed to take only MBA 654 while they are taking the MBA foundation modules. Successful completion of the MBA foundation modules is a prerequisite for all other courses.)

Required Core — 24 Credit Hours

MBA 605	Data Analytics and Visualization	3
MBA 610	Managerial Accounting	3
MBA 650	Economics of Managerial Decisions	3

MBA 654	Ethical Leadership and Organizational Behavior	3
MBA 656	Strategic Management	3
MBA 658	Advanced International Business	3
MBA 660	Marketing Management	3
MBA 670	Advanced Financial Management	3
Concentration Courses — 9 Credit Hours		
MBA 613	Financial Analytics	3
MBA 679	Entrepreneurial Finance	3
MBA 680	Investments	3
General Electives — Choose any 3 Credit Hours		
MBA 611	Fundamentals of Accounting Analytics	3
MBA 612	CPA Preparation	3
MBA 613	Financial Analytics	3
MBA 614	Fraud Analytics	3
MBA 661	Consumer Behavior	3
MBA 662	Digital Marketing	3
MBA 663	Services Marketing Strategy	3
MBA 664	Project Management Fundamentals	3
MBA 667	Six Sigma	3
MBA 668	Lean Transformation	3
MBA 669	Advanced Supply Chain Management	3
MBA 675	Healthcare Systems	3
MBA 676	Healthcare by the Numbers	3
MBA 677	Managing Qualitative Issues in Healthcare Organizations	3
MBA 695	Special Topics in Business	1-3

experiences in solving the challenging and ever-changing managerial problems. The program is intended to utilize an integrated approach across functional disciplines equipping students to approach their managerial roles and responsibilities holistically throughout their professional life. The program also provides an opportunity to all qualified students to pursue their graduate business course of study regardless of their undergraduate major.

The program consists of non-credit required modules, core courses, and elective credits that will culminate in a concentration.

MBA Program Learning Goals and Objectives

As part of the Monfort College of Business’ continuous improvement efforts, it has developed the following learning goals and objectives. The outcomes related to these learning goals and objectives are measured and the results are reviewed by faculty. Corrective actions are taken as needed to ensure a superior learning experience for our students.

Learning Goals	Learning Objectives
Demonstrate proficiency with key business knowledge	Students will be able to integrate knowledge from all business disciplines applying current and emerging business knowledge and technology to make decisions in complex environments, and propose feasible alternatives at a proficient level.
Demonstrate ethical awareness	Students will demonstrate ethical awareness by employing an ethical framework to identify possible ethical issues or problems and analyze the consequences for various stakeholders.
Demonstrate conceptual and analytical skills	Students will analyze data and information to identify key problems, generate and evaluate appropriate alternatives to make effective decisions.
Demonstrate effective communication skills	Students will prepare professional quality written documents on a business topic.
Demonstrate knowledge of how businesses operate in a global environment	Students will demonstrate awareness and understanding of the international challenges that encompass cultural, financial, legal, and other international situations.

BUSINESS ADMINISTRATION M.B.A. – GENERAL BUSINESS CONCENTRATION

PROGRAM OVERVIEW

Kenneth W. Monfort College of Business

General Master’s Degree Admission Requirements (p. 16)

MBA Director & Advisor: Abe Harraf, Ph.D.

Location: Kepner 1090D

Telephone: 970-351-1116

Website: mcb.unco.edu/programs/graduate-programs.aspx

The Master of Business Administration at University of Northern Colorado is designed to prepare the students for managerial positions in for profit, not-for-profit and government settings. The flexibility of the program allows for both part time and full time students to take advantage of the state of the art curriculum under supervision of experienced faculty whose academic and professional experience garnered the prestigious Malcom Baldrige award for the college.

Each course blends theoretical and practical aspect of decision making under varied business conditions enabling students to apply their academic and professional

DEGREE REQUIREMENTS — 36 CREDITS

MBA Non-Credit Foundation Modules (Students are allowed to take only MBA 654 while they are taking the MBA foundation modules. Successful completion of the MBA foundation modules is a prerequisite for all other courses.)

Required Core — 24 Credit Hours

MBA 605	Data Analytics and Visualization	3
MBA 610	Managerial Accounting	3
MBA 650	Economics of Managerial Decisions	3
MBA 654	Ethical Leadership and Organizational Behavior	3
MBA 656	Strategic Management	3
MBA 658	Advanced International Business	3
MBA 660	Marketing Management	3
MBA 670	Advanced Financial Management	3

General Electives — Choose 12 Credit Hours

MBA 611	Fundamentals of Accounting Analytics	3
MBA 612	CPA Preparation	3
MBA 613	Financial Analytics	3
MBA 661	Consumer Behavior	3
MBA 662	Digital Marketing	3
MBA 663	Services Marketing Strategy	3
MBA 664	Project Management Fundamentals	3
MBA 667	Six Sigma	3
MBA 668	Lean Transformation	3
MBA 675	Healthcare Systems	3
MBA 676	Healthcare by the Numbers	3
MBA 677	Managing Qualitative Issues in Healthcare Organizations	3
MBA 681	Talent Management	3
MBA 683	Compensation, Rewards, and Performance Management	3
MBA 684	Managing Organizational Change	3
MBA 695	Special Topics in Business	1-3
MBA 669	Advanced Supply Chain Management	3
MBA 614	Fraud Analytics	3

BUSINESS ADMINISTRATION M.B.A. – HEALTHCARE ADMINISTRATION CONCENTRATION

PROGRAM OVERVIEW

Kenneth W. Monfort College of Business

General Master's Degree Admission Requirements (p. 16)

MBA Director & Advisor: Abe Harraf, Ph.D.

Location: Kepner 1090D

Telephone: 970-351-1116

Website: mcb.unco.edu/programs/graduate-programs.aspx

The Master of Business Administration at University of Northern Colorado is designed to prepare the students for managerial positions in for profit, not-for-profit and government settings. The flexibility of the program allows for both part time and full time students to take advantage of the state of the art curriculum under supervision of experienced faculty whose academic and professional experience garnered the prestigious Malcom Baldrige award for the college.

Each course blends theoretical and practical aspect of decision making under varied business conditions enabling students to apply their academic and professional experiences in solving the challenging and ever-changing managerial problems. The program is intended to utilize an integrated approach across functional disciplines equipping students to approach their managerial roles and responsibilities holistically throughout their professional life. The program also provides an opportunity to all qualified students to pursue their graduate business course of study regardless of their undergraduate major.

The program consists of non-credit required modules, core courses, and elective credits that will culminate in a concentration.

MBA Program Learning Goals and Objectives

As part of the Monfort College of Business' continuous improvement efforts, it has developed the following learning goals and objectives. The outcomes related to these learning goals and objectives are measured and the results are reviewed by faculty. Corrective actions are taken as needed to ensure a superior learning experience for our students.

Learning Goals	Learning Objectives
Demonstrate proficiency with key business knowledge	Students will be able to integrate knowledge from all business disciplines applying current and emerging business knowledge and technology to make decisions in complex environments, and propose feasible alternatives at a proficient level.
Demonstrate ethical awareness	Students will demonstrate ethical awareness by employing an ethical framework to identify possible ethical issues or problems and analyze the consequences for various stakeholders.
Demonstrate conceptual	Students will analyze data and information to identify key problems, generate and evaluate

and analytical skills appropriate alternatives to make effective decisions.

Demonstrate effective communication skills Students will prepare professional quality written documents on a business topic.

Demonstrate knowledge of how businesses operate in a global environment Students will demonstrate awareness and understanding of the international challenges that encompass cultural, financial, legal, and other international situations.

MBA 684 Managing Organizational Change 3
 MBA 695 Special Topics in Business 1-3

**BUSINESS ADMINISTRATION M.B.A. –
 HUMAN RESOURCE MANAGEMENT
 CONCENTRATION**

PROGRAM OVERVIEW

Kenneth W. Monfort College of Business

General Master’s Degree Admission Requirements (p. 16)

MBA Director & Advisor: Abe Harraf, Ph.D.

Location: Kepner 1090D

Telephone: 970-351-1116

Website: mcb.unco.edu/programs/graduate-programs.aspx

The Master of Business Administration at University of Northern Colorado is designed to prepare the students for managerial positions in for profit, not-for-profit and government settings. The flexibility of the program allows for both part time and full time students to take advantage of the state of the art curriculum under supervision of experienced faculty whose academic and professional experience garnered the prestigious Malcom Baldrige award for the college.

Each course blends theoretical and practical aspect of decision making under varied business conditions enabling students to apply their academic and professional experiences in solving the challenging and ever-changing managerial problems. The program is intended to utilize an integrated approach across functional disciplines equipping students to approach their managerial roles and responsibilities holistically throughout their professional life. The program also provides an opportunity to all qualified students to pursue their graduate business course of study regardless of their undergraduate major.

The program consists of non-credit required modules, core courses, and elective credits that will culminate in a concentration.

MBA Program Learning Goals and Objectives

As part of the Monfort College of Business’ continuous improvement efforts, it has developed the following learning goals and objectives. The outcomes related to these learning goals and objectives are measured and the results are reviewed by faculty. Corrective actions are taken as needed to ensure a superior learning experience for our students.

DEGREE REQUIREMENTS — 36 CREDITS

MBA Non-Credit Foundation Modules (Students are allowed to take only MBA 654 while they are taking the MBA foundation modules. Successful completion of the MBA foundation modules is a prerequisite for all other courses.)

Required Core — 24 Credit Hours

MBA 605	Data Analytics and Visualization	3
MBA 610	Managerial Accounting	3
MBA 650	Economics of Managerial Decisions	3
MBA 654	Ethical Leadership and Organizational Behavior	3
MBA 656	Strategic Management	3
MBA 658	Advanced International Business	3
MBA 660	Marketing Management	3
MBA 670	Advanced Financial Management	3

Concentration Courses — 9 Credit Hours

MBA 675	Healthcare Systems	3
MBA 676	Healthcare by the Numbers	3
MBA 677	Managing Qualitative Issues in Healthcare Organizations	3

General Elective — Choose any 3 Credit Hours

MBA 611	Fundamentals of Accounting Analytics	3
MBA 612	CPA Preparation	3
MBA 613	Financial Analytics	3
MBA 614	Fraud Analytics	3
MBA 661	Consumer Behavior	3
MBA 662	Digital Marketing	3
MBA 663	Services Marketing Strategy	3
MBA 664	Project Management Fundamentals	3
MBA 667	Six Sigma	3
MBA 668	Lean Transformation	3
MBA 669	Advanced Supply Chain Management	3
MBA 681	Talent Management	3
MBA 683	Compensation, Rewards, and Performance Management	3

Learning Goals	Learning Objectives
Demonstrate proficiency with key business knowledge	Students will be able to integrate knowledge from all business disciplines applying current and emerging business knowledge and technology to make decisions in complex environments, and propose feasible alternatives at a proficient level.
Demonstrate ethical awareness	Students will demonstrate ethical awareness by employing an ethical framework to identify possible ethical issues or problems and analyze the consequences for various stakeholders.
Demonstrate conceptual and analytical skills	Students will analyze data and information to identify key problems, generate and evaluate appropriate alternatives to make effective decisions.
Demonstrate effective communication skills	Students will prepare professional quality written documents on a business topic.
Demonstrate knowledge of how businesses operate in a global environment	Students will demonstrate awareness and understanding of the international challenges that encompass cultural, financial, legal, and other international situations.

DEGREE REQUIREMENTS — 36 CREDITS

MBA Non-Credit Foundation Modules (Students are allowed to take only MBA 654 while they are taking the MBA foundation modules. Successful completion of the MBA foundation modules is a prerequisite for all other courses.)

Required Core — 24 Credit Hours

MBA 605	Data Analytics and Visualization	3
MBA 610	Managerial Accounting	3
MBA 650	Economics of Managerial Decisions	3
MBA 654	Ethical Leadership and Organizational Behavior	3
MBA 656	Strategic Management	3
MBA 658	Advanced International Business	3
MBA 660	Marketing Management	3
MBA 670	Advanced Financial Management	3

Concentration Courses — 9 Credit Hours

MBA 681	Talent Management	3
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MBA 683	Compensation, Rewards, and Performance Management	3
MBA 684	Managing Organizational Change	3
General Electives — Choose any 3 Credit Hours		
MBA 611	Fundamentals of Accounting Analytics	3
MBA 612	CPA Preparation	3
MBA 613	Financial Analytics	3
MBA 614	Fraud Analytics	3
MBA 661	Consumer Behavior	3
MBA 662	Digital Marketing	3
MBA 663	Services Marketing Strategy	3
MBA 664	Project Management Fundamentals	3
MBA 667	Six Sigma	3
MBA 668	Lean Transformation	3
MBA 669	Advanced Supply Chain Management	3
MBA 675	Healthcare Systems	3
MBA 676	Healthcare by the Numbers	3
MBA 677	Managing Qualitative Issues in Healthcare Organizations	3
MBA 695	Special Topics in Business	1-3

BUSINESS ADMINISTRATION M.B.A. – MARKETING CONCENTRATION

PROGRAM OVERVIEW

Kenneth W. Monfort College of Business

General Master's Degree Admission Requirements (p. 16)

MBA Director & Advisor: Abe Harraf, Ph.D.

Location: Kepner 1090D

Telephone: 970-351-1116

Website: mcb.unco.edu/programs/graduate-programs.aspx

The Master of Business Administration at University of Northern Colorado is designed to prepare the students for managerial positions in for profit, not-for-profit and government settings. The flexibility of the program allows for both part time and full time students to take advantage of the state of the art curriculum under supervision of experienced faculty whose academic and professional experience garnered the prestigious Malcom Baldrige award for the college.

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qualified students to pursue their graduate business course of study regardless of their undergraduate major.

The program consists of non-credit required modules, core courses, and elective credits that will culminate in a concentration.

MBA Program Learning Goals and Objectives

As part of the Monfort College of Business' continuous improvement efforts, it has developed the following learning goals and objectives. The outcomes related to these learning goals and objectives are measured and the results are reviewed by faculty. Corrective actions are taken as needed to ensure a superior learning experience for our students.

Learning Goals	Learning Objectives
Demonstrate proficiency with key business knowledge	Students will be able to integrate knowledge from all business disciplines applying current and emerging business knowledge and technology to make decisions in complex environments, and propose feasible alternatives at a proficient level.
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Demonstrate conceptual and analytical skills	Students will analyze data and information to identify key problems, generate and evaluate appropriate alternatives to make effective decisions.
Demonstrate effective communication skills	Students will prepare professional quality written documents on a business topic.
Demonstrate knowledge of how businesses operate in a global environment	Students will demonstrate awareness and understanding of the international challenges that encompass cultural, financial, legal, and other international situations.

DEGREE REQUIREMENTS — 36 CREDITS

MBA Non-Credit Foundation Modules (Students are allowed to take only MBA 654 while they are taking the MBA foundation modules. Successful completion of the MBA foundation modules is a prerequisite for all other courses.)

Required Core — 24 Credit Hours

MBA 605	Data Analytics and Visualization	3
MBA 610	Managerial Accounting	3
MBA 650	Economics of Managerial Decisions	3
MBA 654	Ethical Leadership and Organizational Behavior	3
MBA 656	Strategic Management	3
MBA 658	Advanced International Business	3
MBA 660	Marketing Management	3
MBA 670	Advanced Financial Management	3

Concentration Courses — 9 Credit Hours

MBA 661	Consumer Behavior	3
MBA 662	Digital Marketing	3
MBA 663	Services Marketing Strategy	3

General Electives — Choose any 3 Credit Hours

MBA 611	Fundamentals of Accounting Analytics	3
MBA 612	CPA Preparation	3
MBA 613	Financial Analytics	3
MBA 614	Fraud Analytics	3
MBA 664	Project Management Fundamentals	3
MBA 667	Six Sigma	3
MBA 668	Lean Transformation	3
MBA 669	Advanced Supply Chain Management	3
MBA 675	Healthcare Systems	3
MBA 676	Healthcare by the Numbers	3
MBA 677	Managing Qualitative Issues in Healthcare Organizations	3
MBA 681	Talent Management	3
MBA 683	Compensation, Rewards, and Performance Management	3
MBA 684	Managing Organizational Change	3
MBA 695	Special Topics in Business	1-3

BUSINESS ADMINISTRATION M.B.A. – PROJECT MANAGEMENT CONCENTRATION

PROGRAM OVERVIEW

Kenneth W. Monfort College of Business

General Master's Degree Admission Requirements (p. 16)

MBA Director & Advisor: Abe Harraf, Ph.D.

Location: Kepner 1090D

Telephone: 970-351-1116

Website: mcb.unco.edu/programs/graduate-programs.aspx

The Master of Business Administration at University of Northern Colorado is designed to prepare the students for managerial positions in for profit, not-for-profit and government settings. The flexibility of the program allows for both part time and full time students to take advantage

of the state of the art curriculum under supervision of experienced faculty whose academic and professional experience garnered the prestigious Malcom Baldrige award for the college.

Each course blends theoretical and practical aspect of decision making under varied business conditions enabling students to apply their academic and professional experiences in solving the challenging and ever-changing managerial problems. The program is intended to utilize an integrated approach across functional disciplines equipping students to approach their managerial roles and responsibilities holistically throughout their professional life. The program also provides an opportunity to all qualified students to pursue their graduate business course of study regardless of their undergraduate major.

The program consists of non-credit required modules, core courses, and elective credits that will culminate in a concentration.

MBA Program Learning Goals and Objectives

As part of the Monfort College of Business' continuous improvement efforts, it has developed the following learning goals and objectives. The outcomes related to these learning goals and objectives are measured and the results are reviewed by faculty. Corrective actions are taken as needed to ensure a superior learning experience for our students.

Learning Goals	Learning Objectives
Demonstrate proficiency with key business knowledge	Students will be able to integrate knowledge from all business disciplines applying current and emerging business knowledge and technology to make decisions in complex environments, and propose feasible alternatives at a proficient level.
Demonstrate ethical awareness	Students will demonstrate ethical awareness by employing an ethical framework to identify possible ethical issues or problems and analyze the consequences for various stakeholders.
Demonstrate conceptual and analytical skills	Students will analyze data and information to identify key problems, generate and evaluate appropriate alternatives to make effective decisions.
Demonstrate effective communication skills	Students will prepare professional quality written documents on a business topic.

Demonstrate knowledge of how businesses operate in a global environment	Students will demonstrate awareness and understanding of the international challenges that encompass cultural, financial, legal, and other international situations.
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DEGREE REQUIREMENTS — 36 CREDITS

MBA Non-Credit Foundation Modules (Students are allowed to take only MBA 654 while they are taking the MBA foundation modules. Successful completion of the MBA foundation modules is a prerequisite for all other courses.)

Required Core — 24 Credit Hours

MBA 605	Data Analytics and Visualization	3
MBA 610	Managerial Accounting	3
MBA 650	Economics of Managerial Decisions	3
MBA 654	Ethical Leadership and Organizational Behavior	3
MBA 656	Strategic Management	3
MBA 658	Advanced International Business	3
MBA 660	Marketing Management	3
MBA 670	Advanced Financial Management	3

Concentration Courses — 9 Credit Hours

MBA 664	Project Management Fundamentals	3
MBA 667	Six Sigma	3
MBA 668	Lean Transformation	3

General Electives — Choose any 3 Credit Hours

MBA 611	Fundamentals of Accounting Analytics	3
MBA 612	CPA Preparation	3
MBA 613	Financial Analytics	3
MBA 614	Fraud Analytics	3
MBA 661	Consumer Behavior	3
MBA 662	Digital Marketing	3
MBA 663	Services Marketing Strategy	3
MBA 664	Project Management Fundamentals	3
MBA 667	Six Sigma	3
MBA 668	Lean Transformation	3
MBA 669	Advanced Supply Chain Management	3
MBA 675	Healthcare Systems	3
MBA 676	Healthcare by the Numbers	3
MBA 677	Managing Qualitative Issues in Healthcare Organizations	3
MBA 695	Special Topics in Business	1-3

CHEMISTRY M.S. – CHEMISTRY CONCENTRATION NON-THESIS OPTION

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Master's Degree Admission Requirements (p. 16)

Location: Ross Hall 3480

Email: chemistry@unco.edu

Website: www.unco.edu/nhs/chemistry-biochemistry/

The Chemistry M.S. extends and builds upon the knowledge and skills learned at the undergraduate level and, through the research component, develops independence in the chemical laboratory and in dealing with the chemical literature. Candidates have the opportunity to work closely with faculty trained in biochemistry and in analytical, inorganic, physical and organic chemistry.

Successful completion of this degree will enhance chances for professional advancement and expand employment opportunities. Further education in a Ph.D. program in chemistry is also a possibility.

DEGREE REQUIREMENTS — 30 CREDITS

Research Credits - 1 hours minimum

CHEM 600	Seminar in Chemistry	1
	or	
CHEM 622	Directed Studies	1-3

Note: Students should consult with their advisor to determine the appropriate option. For CHEM 622, a maximum of 1 credit hour can apply to the Research Credits category.

Chemistry Electives - 18 hours minimum

CHEM 522	Advanced Analytical Chemistry	3
CHEM 523	Chemical Spectroscopy	3
CHEM 525	Forensic Chemistry	4
CHEM 533	Organic Synthesis and Stereochemistry	3
CHEM 534	Theory and Mechanisms of Organic Reactions	3
CHEM 543	Organometallic Chemistry	3
CHEM 551	Physical Chemistry I	4
CHEM 552	Physical Chemistry II	4
CHEM 560	Environmental Chemistry	2
CHEM 581	General Biochemistry I	4
CHEM 582	General Biochemistry II	4
CHEM 622	Directed Studies	1-3

Note: Based on consultation with their advisor, students may take CHEM 622 as a Chemistry Elective course. A maximum of 3 credit hours of CHEM 622 can apply to the Chemistry Electives category.

Supporting Elective - 11 hours maximum

No more than 11 credits can be taken in ancillary departments such as Biology, Criminal Justice, Earth Science, and Statistics and Research Methods. Students should consult their advisor to select appropriate coursework for their particular degree plan.

Note: In addition to course requirements, all students must successfully complete a comprehensive examination in a major area of chemistry (analytical, biological, inorganic, organic, or physical chemistry).

Qualifier Examinations — Each student must pass qualifying examinations in three of five areas selected from chemistry content (analytical, biological, inorganic, organic, or physical chemistry). Students will have two opportunities to pass each area exam. Qualifier examinations are scheduled during the two weeks preceding the beginning of the Fall semester. If an examination is failed, the requirement may be satisfied by completing designated undergraduate coursework in the appropriate subdiscipline with a minimum grade of "B".

CHEMISTRY M.S. – CHEMISTRY CONCENTRATION THESIS OPTION

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Master's Degree Admission Requirements (p. 16)

Location: Ross Hall 3480

Email: chemistry@unco.edu

Website: www.unco.edu/nhs/chemistry-biochemistry/

The Chemistry M.S. extends and builds upon the knowledge and skills learned at the undergraduate level and, through the research component, develops independence in the chemical laboratory and in dealing with the chemical literature. Candidates have the opportunity to work closely with faculty trained in biochemistry and in analytical, inorganic, physical and organic chemistry.

Successful completion of this degree will enhance chances for professional advancement and expand employment opportunities. Further education in a Ph.D. program in chemistry is also a possibility.

DEGREE REQUIREMENTS — 30 CREDITS**Research Credits — 12 hours**

CHEM 600	Seminar in Chemistry	1
CHEM 693	Chemical Research	1-9
CHEM 695	Thesis Proposal	1
CHEM 699	Thesis	1-6

Note: Students must take CHEM 600 two separate times for a total of 2 hours. Students must also take 3 hours of CHEM 693 and complete a total of 6 hours of CHEM 699.

Chemistry Electives — 12 hours minimum

CHEM 522	Advanced Analytical Chemistry	3
CHEM 523	Chemical Spectroscopy	3
CHEM 525	Forensic Chemistry	4
CHEM 533	Organic Synthesis and Stereochemistry	3
CHEM 534	Theory and Mechanisms of Organic Reactions	3
CHEM 543	Organometallic Chemistry	3
CHEM 551	Physical Chemistry I	4
CHEM 552	Physical Chemistry II	4
CHEM 560	Environmental Chemistry	2
CHEM 581	General Biochemistry I	4
CHEM 582	General Biochemistry II	4
CHEM 590	Advanced Topics in Chemistry	3
CHEM 622	Directed Studies	1-3
CHEM 693	Chemical Research	1-9

General Electives — 0-6 hours

Electives, with the approval of the major advisor, to complete 30 credit hours are required for this program.

Note: In addition to course requirements, all students must successfully complete the defense of the thesis and must successfully complete a comprehensive examination in a major area of chemistry (analytical, biological, inorganic, organic or physical chemistry).

Qualifier Examinations — Each student must pass qualifying examinations in three of five areas selected from chemistry content (analytical, biological, inorganic, organic or physical chemistry). Students will have two opportunities to pass each area exam. Qualifier examinations are scheduled during the week preceding the beginning of classes each semester. If an examination is failed, the requirement may be satisfied by completing designated undergraduate coursework in the appropriate subdiscipline with a minimum grade of "B."

**CHEMISTRY M.S. – EDUCATION
CONCENTRATION NON-THESIS OPTION****PROGRAM OVERVIEW****College of Natural and Health Sciences**

General Master's Degree Admission Requirements (p. 16)

Location: Ross Hall 3480

Email: chemistry@unco.edu

Website: www.unco.edu/nhs/chemistry-biochemistry/

This Chemistry M.S. extends and builds upon the knowledge and skills learned at the undergraduate level and, through the science education component, develops skills necessary to become increasingly effective in the chemistry classroom.

Successful completion of this degree will enhance advancement opportunities in the education field and provide a teacher advanced training in content and pedagogy. The degree can also qualify graduates to teach at the junior or community college level.

DEGREE REQUIREMENTS — 30 CREDITS**Required Courses - 7 hours**

CHEM 682	Problems in Teaching Chemistry	3
PSY 540	Theories and Principles of Learning	3
CHEM 600	Seminar in Chemistry or	1
CHEM 622	Directed Studies	1-3

Note: Take CHEM 600 or CHEM 622. Students should consult their advisor to choose the appropriate option.

Chemistry Electives - 3-12 hours

In consultation with their advisor, candidates can select up to 12 hours of chemistry elective coursework.

CHEM 522	Advanced Analytical Chemistry	3
CHEM 523	Chemical Spectroscopy	3
CHEM 525	Forensic Chemistry	4
CHEM 533	Organic Synthesis and Stereochemistry	3
CHEM 534	Theory and Mechanisms of Organic Reactions	3
CHEM 543	Organometallic Chemistry	3
CHEM 560	Environmental Chemistry	2
CHEM 581	General Biochemistry I	4
CHEM 582	General Biochemistry II	4
CHEM 590	Advanced Topics in Chemistry	3
CHEM 622	Directed Studies	1-3

Pedagogy Electives - 11 hours minimum

In consultation with their advisor, candidates can select at least 11 hours of appropriate graduate-level courses in supporting areas such as Psychology, Educational

Technology, Science Education, Education Foundations, Early Childhood Education, Elementary Education, Applied Psychology and Counselor Education, and Statistics and Research Methods.

Note: In addition to course requirements, all students must successfully complete a comprehensive examination in chemical education that includes the ACS General Chemistry I and II standardized examinations with a grade of 80% or higher.

Qualifier Examinations — Each student must pass qualifying examinations in three of five areas selected from chemistry content (analytical, biological, inorganic, organic or physical chemistry). Students will have two opportunities to pass each area exam. Qualifier examinations are scheduled during the two week period preceding the beginning of the Fall semester. If an examination is failed, the requirement may be satisfied by completing designated undergraduate coursework in the appropriate subdiscipline with a minimum grade of “B.”

CHEMISTRY M.S. – EDUCATION CONCENTRATION THESIS OPTION

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Master’s Degree Admission Requirements (p. 16)

Location: Ross Hall 3480

Email: chemistry@unco.edu

Website: www.unco.edu/nhs/chemistry-biochemistry/

This Chemistry M.S. extends and builds upon the knowledge and skills learned at the undergraduate level and, through the science education component, develops skills necessary to become increasingly effective in the chemistry classroom.

Successful completion of this degree will enhance advancement opportunities in the education field and provide a teacher advanced training in content and pedagogy. The degree can also qualify graduates to teach at the junior or community college level.

DEGREE REQUIREMENTS — 30 CREDITS

Research Credits — 9 hours

CHEM 600	Seminar in Chemistry and either	1
CHEM 695	Thesis Proposal	1
CHEM 699	Thesis or	1-6
CHEM 693	Chemical Research	1-9

Note: All students must take CHEM 600 two separate times for a total of 2 hours. Students completing a thesis must also take 1 hour of CHEM 695 and 6 hours of CHEM 699.

Chemistry Elective Credits — 6-15 hours

CHEM 522	Advanced Analytical Chemistry	3
CHEM 523	Chemical Spectroscopy	3
CHEM 533	Organic Synthesis and Stereochemistry	3
CHEM 534	Theory and Mechanisms of Organic Reactions	3
CHEM 543	Organometallic Chemistry	3
CHEM 560	Environmental Chemistry	2
CHEM 581	General Biochemistry I	4
CHEM 582	General Biochemistry II	4
CHEM 590	Advanced Topics in Chemistry	3
CHEM 693	Chemical Research	1-9

Pedagogy Credits — 6-15 hours

CHEM 682	Problems in Teaching Chemistry	3
SCED 694	Science Education Research	3

Pedagogy/Research Methods Electives

In conjunction with their advisor, candidates can select appropriate graduate level courses in supporting areas such as:

- Statistics and Research Methods (SRM)
- Psychology (PSY)
- Educational Technology (ET)
- Science Education (SCED)

Note: In addition to course requirements, all students must successfully complete a comprehensive examination in chemical education that includes the ACS General Chemistry I and II standardized examinations with a grade of 80% or higher.

Qualifier Examinations — Each student must pass qualifying examinations in three of five areas selected from chemistry content (analytical, biological, inorganic, organic or physical chemistry). Students will have two opportunities to pass each area exam. Qualifier examinations are scheduled during the two week period preceding the beginning of the Fall semester. If an examination is failed, the requirement may be satisfied by completing designated undergraduate coursework in the appropriate subdiscipline with a minimum grade of “B.”

CLINICAL MENTAL HEALTH COUNSELING M.A.

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Master's Degree Admission Requirements (p. 16)

Chair: Heather Helm, Ph.D.

Location: McKee 248

Telephone: 970.351.2731

Website: www.unco.edu/cebs/applied-psychology-counselor-education/

This program is accredited by the Council for Accreditation of Counseling and Related Educational Programs.

The Clinical Mental Health Counseling master's degree prepares professional counselors for licensure as Licensed Professional Counselors (LPC). Graduates work in a variety of settings, including community mental health centers, hospitals, private practice, addictions, residential treatment, etc.

DEGREE REQUIREMENTS — 60-72 CREDITS

Required Major Credits — 60 hours

APCE 603	Understanding Children, Adolescents, and Their Systems	3
APCE 605	Group Laboratory Experience	1
APCE 607	Theories of Counseling	3
APCE 612	Practicum in Individual Counseling	5
APCE 616	Career Theory, Counseling and Assessment	3
APCE 619	Practicum II in Individual Counseling	3
APCE 623	Understanding and Counseling Diverse Populations	3
APCE 624	Assessment and Treatment of Substance Abuse	3
APCE 650	Orientation to Clinical Counseling	3
APCE 657	Legal and Ethical Aspects of Counseling and Psychology	3
APCE 658	Diagnosis and Treatment Planning	3
APCE 660	Psychological Consultation: Theory and Practice	3
APCE 661	Psychological Trauma and Intervention for Individuals, Families and Communities	3
APCE 662	Group Dynamics and Facilitation	3
APCE 665	Family Systems	3
APCE 673	Appraisal and Assessment in Counseling	3
APCE 692	Internship in Clinical Counseling	1-9
PSY 530	Life Span Developmental Psychology	3

SRM 600 Introduction to Graduate Research 3

APCE 692: Take 6 hours

Recommended Electives

APCE 508	Workshop	1-3
APCE 609	Foundations of Play Therapy	3
APCE 617	Play Therapy: Theory and Practicum	3
APCE 668	Sexuality Counseling	3
APCE 785	Advanced Practicum in Community Engagement: Campus Connections	1

Program can be completed with 60 credits but elective credits may be needed to meet certificate and/or certification requirements.

CRIMINOLOGY AND CRIMINAL JUSTICE M.A.

PROGRAM OVERVIEW

College of Humanities and Social Sciences

General Master's Degree Admission Requirements (p. 16)

Location: Candelaria Hall 2249

Email: HSS@unco.edu

Website: unco.edu/hss/criminology-criminal-justice

The master's program in Criminology and Criminal Justice is designed to be completed in two years by working professionals. It emphasizes the importance of furthering society's ideals of a fair-minded and unbiased system of justice as embraced by the rule of law. The concept of "best practices" is an overarching theme in all core classes. Students will be informed of current research regarding effective practices in all aspects of criminal justice, will develop the ability to make informed decisions regarding practices for their particular areas within the system, and will acquire the knowledge and skills to be more capable supervisors in criminal justice organizations and agencies by making use of research findings that support effective policy planning and programming.

Students receiving the M.A. in Criminology and Criminal Justice will be competent in research methodology and writing skills and will possess an increased understanding of the theoretical foundations for crime causation. The M.A. may be the foundation for further advanced graduate work or may serve as a terminal degree.

DEGREE REQUIREMENTS — 30 CREDITS

Required Major Core Credits — 21 hours

CRJ 510	Administration of Criminal Justice	3
CRJ 550	Leadership and Management in Criminal Justice	3
CRJ 560	Seminar in Criminological Theory	3

CRJ 570	Seminar in Diversity in Criminal Justice	3
CRJ 580	Advanced Research Methods in Criminal Justice	3
CRJ 582	Advanced Statistics in Criminal Justice	3
CRJ 610	Planning and Evaluation in Criminal Justice	3

Elective Credits — 9 hours

Select one of the elective options from the list below:

Thesis Option: Complete 6 hours of CRJ 699, and 3 hours of 500-level or above CRJ-prefix courses or advisor-approved courses from other departments. Students must have at least a 3.5 GPA in their graduate program in order to be approved for this option.

Comprehensive Examination Option: Complete 9 hours of 500-level or above CRJ-prefix courses or advisor-approved courses from other departments. At least 3 hours must be CRJ-prefix credits. Students who choose this option must take the written comprehensive examination in the semester in which they graduate and must be registered for UNC credit that semester.

Program Note

All coursework for the program must be completed with a grade of "B-" or better.

DANCE EDUCATION M.A.

PROGRAM OVERVIEW

College of Performing and Visual Arts

General Master’s Degree Admission Requirements (p. 16)

Interim Director: Michelle Gaza, M.F.A

Location: Frasier Hall 105

Theatre Arts: 970.351.2991

Dance: 970.351.2991

Website: arts.unco.edu/theatre/

Graduate Coordinator: Mary Schuttler, Ph.D.

Schedule: The program will be delivered through both online learning and on campus classes. The online learning would take place during the fall and spring semesters, while the students would be on campus during the summers for face-to-face intensive classes. The summer classes would include three classes taught over a three week time period.

- Those applying to the program would submit a sample of their scholarly writing for perusal. Scholarly writing could include writing describing curricula, lesson plans or research created or done by the applicant.

- Applicants would also need to describe in detail how they would plan to actively use what they have learned in this graduate program in their own teaching situation or prospective teaching situation.
- Students accepted to this program would be teachers or prospective teachers in Colorado and throughout the nation. There would, however, be an emphasis on accepting those who are already teaching in our state with the goal of improving dance education in Colorado schools. There is also the possibility of accepting international students in this program. (Dr. Sandra Minton is well-known as a dance educator in the U.S. and internationally and has been able, in the past, to attract Colorado, national and international teachers as students to her graduate level courses offered through UNC Extended Campus).
- Students accepted to this program would not need to have completed undergraduate work in dance, although a background in dance as a professional performer or in dance studio classes would be helpful. Having an undergraduate degree in dance would be a plus.
- If a student has had previous experience in the dance field, please briefly describe those experiences. Such dance experiences could include those from dance studios, public or private K-12 schools university programs.

DEGREE REQUIREMENTS — 33-36 CREDITS

Required Courses 33-36 Credits

DNCE 550	Situating Dance: Exploring vital components of history, culture, and context	3
DNCE 560	Dance Movement Skills & Pedagogical Approaches	3
DNCE 565	Interdisciplinary Teaching and Advocacy in Dance	3
DNCE 570	Doing, Teaching & Appreciating Choreography & Creative Dance I	3
DNCE 575	Dance Lesson, Curriculum and Assessment Design	3
DNCE 600	Movement and Dance - Framing a Research Question	3
DNCE 690	Thesis I	3
DNCE 693	Popular Dance Forms	3
DNCE 695	Doing, Teaching and Appreciating Choreography II	3
DNCE 697	Dance Production Techniques	3
DNCE 699	Thesis II	3-6

Program Notes

The Coordinator of the M.A. in Dance Education degree program will assign each student an academic advisor and a graduate committee in accordance with Graduate School policy. The academic advisor will serve as the chair of the graduate committee.

It is recommended that students have a graduate committee review each semester. The student will discuss the graduate review with the academic advisor and the Coordinator of the M.A. in Dance Education Program. The student will assume responsibility for scheduling graduate reviews. Two unsuccessful graduate reviews will be considered grounds for termination of the student's involvement in the program. In conjunction with DNCE 690 and DNCE 699, the student will prepare and submit a written thesis proposal. Prior to beginning work on the thesis, the thesis proposal must be approved by all members of the student's graduate committee.

A written research thesis is required of all Master of Arts degree candidates in the School of Theatre Arts and Dance.

Upon completion of the program, the student will be required to demonstrate competence in the designated area of concentration in accordance with approved school standards. The student's committee must approve the candidate for graduation.

DIETETICS M.S.

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Master's Degree Admission Requirements (p. 16)

Location: Gunter 2590

Telephone: 970.351.2755

Fax: 970.351.1489

Website: www.unco.edu/nhs/nutrition-dietetics/

The Master of Science in Dietetics is a two-year, online program. The curriculum of 35 credits supports the development of skills related to being a Registered Dietitian Nutritionist. This program is offered according to a cohort model in which all students take the courses in the same sequence. Through their coursework, students will develop critical thinking and leadership skills that will support their future work and development as a Registered Dietitian Nutritionist. This program assumes an undergraduate background in Nutrition and Dietetics and requires a Didactic Program in Dietetics (DPD) verification statement/certificate from an ACEND accredited institution OR Commission on Dietetic Registration, Registered Dietitian Nutritionist active card.

Areas emphasized include: nutrient metabolism, nutrition assessment, nutrition counseling methods, nutrition communication, public health nutrition and research methods. Career opportunities include registered dietitian nutritionist positions in hospitals, clinics, public health departments, government agencies, research settings, industry and schools.

The Master of Science in Dietetics requires a capstone project and course which provides students the opportunity to complete an in-depth study of an area of evidence-based research/practice, write a comprehensive paper and present the project results. The required comprehensive examination for the Master of Science in Dietetics will be satisfied by successful completion of a professional written paper about the capstone project.

DEGREE REQUIREMENTS — 35 CREDITS

Required Major Credits - 26 hours

FND 530	Nutrition Assessment and Intervention Methods	3
FND 551	Nutritional Biochemistry and Metabolism - Macronutrients	3
FND 553	Nutritional Biochemistry and Metabolism - Micronutrients	3
FND 570	Nutrition Counseling Methods	3
FND 610	Nutrition Communication	3
FND 620	Current Topics in Nutrition and Dietetics	3
FND 652	Public Health Nutrition	3
FND 686	Dietetics Capstone	5

Select one of the following research methods courses - 3 hours

SRM 600	Introduction to Graduate Research	3
SES 602	Introduction to Research in Sport and Exercise Science	3

Elective Credits - 6 hours

FND 625	Advanced Maternal and Child Nutrition	3
FND 655	Sports Nutrition	3
FND 622	Directed Study	1-3

Alternate electives may be selected with advisor approval prior to registration for the course.

Program Notes

The Master of Science in Dietetics is available for applicants who have completed a Didactic Program in Dietetics (DPD) from an accredited institution OR are currently an active Registered Dietitian Nutritionist through the Commission of Dietetic Registration. This program is offered according to a cohort model in which all students take the courses in the same sequence. The required comprehensive examination will be satisfied by successful completion of a professional paper about the capstone project in FND 686.

DIETETICS M.S. WITH DIETETIC INTERNSHIP

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Master's Degree Admission Requirements (p. 16)

Location: Gunter 2590

Telephone: 970.351.2755

Fax: 970.351.1489

Website: www.unco.edu/nhs/nutrition-dietetics/

The Master of Science in Dietetics with Dietetic Internship is a three-year, online program and is designed to prepare students for successful completion of the Registered Dietitian Examination as well as entry-level practice. This program is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND). The curriculum of 55 credits supports the development of skills related to being a Registered Dietitian Nutritionist and provides hands-on learning opportunities in supervised practice settings. Through their coursework, students will develop critical thinking and leadership skills that will support their future work and development as a Registered Dietitian Nutritionist. This program assumes an undergraduate background in Nutrition and Dietetics and completion of the Didactic Courses in Dietetics.

Areas emphasized include: nutrient metabolism, nutrition assessment, nutrition counseling methods, nutrition communication, public health nutrition and research methods. Career opportunities include registered dietitian nutritionist positions in hospitals, clinics, public health departments, government agencies, research settings industry and schools.

The Master of Science in Dietetics with Dietetic Internship requires a capstone course which provides students the opportunity to complete and in-depth study of an area of evidence-based research/practice, write a comprehensive paper and present the project results. The required comprehensive examination for the Master of Science in Dietetics with Dietetic Internship will be satisfied by successful completion of a professional written paper about the capstone project.

DEGREE REQUIREMENTS — 55 CREDITS

Required Major Credits - 26 hours

FND 530	Nutrition Assessment and Intervention Methods	3
FND 551	Nutritional Biochemistry and Metabolism - Macronutrients	3
FND 553	Nutritional Biochemistry and Metabolism - Micronutrients	3
FND 570	Nutrition Counseling Methods	3
FND 610	Nutrition Communication	3

FND 620	Current Topics in Nutrition and Dietetics	3
FND 652	Public Health Nutrition	3
FND 686	Dietetics Capstone	5

Select one of the following research methods courses - 3 hours

SES 602	Introduction to Research in Sport and Exercise Science	3
SRM 600	Introduction to Graduate Research	3

Elective Credits - 6 hours

FND 625	Advanced Maternal and Child Nutrition	3
FND 655	Sports Nutrition	3
FND 622	Directed Study	1-3

Alternate electives may be selected with advisor approval prior to registration for the course.

Supervised Practice Practicum - 20 hours

FND 592	Dietetics Supervised Practice	1-10
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FND 592: Hours required for each semester will be determined by the Dietetic Internship Director and Staff Specialist. Must register and complete a total of 20 hours.

Program Notes

The Master of Science in Dietetics with Dietetic Internship is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics, 120 South Riverside Plaza, Suite 2190, Chicago, IL 60606 (800-877-1600). With successful completion of the Dietetics M.S. with Dietetic Internship, the graduate is eligible to take the registration exam to become a Registered Dietitian Nutritionist.

Potential applicants are required to submit an application to Dietetic Internship Centralized Application Services (DICAS) and register with the D D Digital Matching site in addition to submitting an application to the Graduate School at the University of Northern Colorado. Admission to the Graduate School does not guarantee admission into the Dietetics graduate program.

The program is offered according to a cohort model in which all students take the courses in the same sequence. The required comprehensive examination will be satisfied by successful completion of a professional paper about your capstone project during the capstone course.

EARTH SCIENCES M.A.**PROGRAM OVERVIEW****College of Natural and Health Sciences**

This program is not currently accepting applications for admission.

General Master's Degree Admission Requirements (p. 16)

Location: Ross Hall 3235

Telephone: 970.351.2647

Fax: 970.351.4197

Website: www.unco.edu/nhs/earth-atmospheric-sciences/

This program is for students who wish to broaden or deepen their backgrounds in the earth science disciplines (astronomy, geology, meteorology and oceanography) and develop their research skills. It serves individuals who are or intend to become secondary school or community college earth science teachers. It is also appropriate for K-12 teachers, students pursuing careers in allied fields that require a multidisciplinary background in the earth sciences and for individuals wishing to explore the earth sciences as a second career.

The multidisciplinary structure of the school affords each student the opportunity to develop a sequence of courses that complements and builds upon their previous education and experience, whether in the earth sciences or in other disciplines. The program provides both a thesis and a non-thesis option. Typically, students seeking a focused program emphasizing research skills elect the thesis option, and students seeking a broad, multidisciplinary curriculum emphasizing content will elect the non-thesis option. In consultation with the student's graduate committee, each student will select the appropriate option and design a curriculum for their particular educational and career objectives.

DEGREE REQUIREMENTS — 30 CREDITS**Thesis Option Required Concentration Credits — 12-16 hours**

ESCI 599	Seminar in Earth Sciences	1
ESCI 600	Introduction to Earth Science Research	2
ESCI 695	Special Topics in Earth Sciences	2
ESCI 699	Thesis	1-6

ESCI 599: Minimum of 2 credits

ESCI 699: Take 6-10 credits

Thesis Option Elective Credits — 14-18 hours

Select courses from the Elective Credits listed below.

Non-Thesis Option Required Concentration Credits — 8-12 hours

ESCI 599	Seminar in Earth Sciences	1
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ESCI 600	Introduction to Earth Science Research	2
ESCI 695	Special Topics in Earth Sciences	2
ESCI 697	Graduate Research	1-6

ESCI 697: Take 2-6 credits

Non-Thesis Option Elective Credits — 18-22 hours

Select courses from the Elective Credits listed below.

Thesis or Non-Thesis Elective Credits

Substitutions must be approved by the graduate committee.

AST 622	Directed Studies	1-4
ESCI 584	Earth Sciences Field Experiences	1-15
ESCI 591	Geoscience Field Issues	1-6
ESCI 596	Earth Science Study Abroad	1-6
ESCI 605	Global Change	3
GEOL 510	Groundwater Geology	3
GEOL 515	Ore Geology	3
GEOL 521	Igneous and Metamorphic Petrology	4
GEOL 540	Paleontology	4
GEOL 550	Sedimentology and Stratigraphy	4
GEOL 560	Geomorphology	4
GEOL 567	Volcanic Geology	3
GEOL 581	Geologic Field Techniques	2
GEOL 590	Rocky Mountain Geology Seminar	2
GEOL 622	Directed Studies	1-4
MET 502	Synoptic Meteorology	4
MET 551	Climatology	3
MET 552	Paleoclimatology	3
MET 595	Special Topics in Meteorology	1-4
MET 622	Directed Studies	1-3
OCN 622	Directed Studies	1-4
SCED 678	Science Education Seminar	1-2

AST 622, GEOL 622, MET 622, and OCN 622: See "Variable Topic Courses" (p. 48).

Program Notes

ESCI 599, a one semester hour course, must be taken every semester the student is in residence at UNC.

Written and oral comprehensive examinations are required.

A 3.0 GPA in the courses taken as part of this major is required for graduation. A "C" or higher is required for all courses taken as part of the program.

EDUCATION M.A.T. – CURRICULUM STUDIES CONCENTRATION

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Master's Degree Admission Requirements (p. 16)

Director: Jingzi (Ginny) Huang, Ph.D.

Location: McKee 216

Telephone: 970.351.2908

Website: www.unco.edu/cebs/teacher-education/

The Master of Arts in Teaching degree provides experienced practitioners with the knowledge, abilities, and dispositions needed to scaffold their own professional development toward a vision of accomplished practice. Candidates in this program analyze philosophical and contemporary practices and theories relating to knowledge acquisition as a means of enhancing student learning and the curriculum development process within school systems. Three abilities are emphasized throughout the program: critical reflection, systematic inquiry, and collaboration. Teacher participants use these abilities to plan and implement a series of learning and assessment projects for the purpose of improving students' learning and achievement. The M.A.T. program provides opportunities to develop in-depth understanding of content-specific pedagogy, the curriculum development process, teacher research, and portfolio approaches to teaching and learning. Teachers are encouraged to become school leaders as they gain confidence working with increasingly diverse groups of children, parents, and colleagues. One full year of full-time classroom teaching experience or equivalent required to graduate.

DEGREE REQUIREMENTS — 30 CREDITS

Required Major Credits — 21 credit hours

EDF 610	Teacher Research	3
EDF 619	Pluralism in Education	3
EDF 640	Psychological Foundations of Education	3
EDF 662	Foundations of Curriculum Development and Instructional Practice	3
EDF 664	Instruction and Assessment	3
EDF 685	Philosophical Foundations of Education	3
SRM 600	Introduction to Graduate Research	3

Elective Credits — 9 hours

The elective credits are selected in consultation with the candidate's program advisor to ensure appropriateness to the degree. Elective credits may be taken at either the 500 or 600 levels.

EDUCATION M.A.T. – ELEMENTARY EDUCATION WITH LICENSURE CONCENTRATION — ELEMENTARY EDUCATION ENDORSEMENT (GRADES K-6)

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Master's Degree Admission Requirements (p. 16)

Director: Jingzi (Ginny) Huang, Ph.D.

Location: McKee 216

Telephone: 970.351.2908

Website: www.unco.edu/cebs/teacher-education/

The Master of Arts in Teaching degree provides experienced practitioners with the knowledge, abilities, and dispositions needed to scaffold their own professional development toward a vision of accomplished practice. Candidates in this program analyze philosophical and contemporary practices and theories relating to knowledge acquisition as a means of enhancing student learning and the curriculum development process within school systems. Three abilities are emphasized throughout the program: critical reflection, systematic inquiry, and collaboration. Teacher participants use these abilities to plan and implement a series of learning and assessment projects for the purpose of improving students' learning and achievement. The M.A.T. program provides opportunities to develop in-depth understanding of content-specific pedagogy, the curriculum development process, teacher research, and portfolio approaches to teaching and learning. Teachers are encouraged to become school leaders as they gain confidence working with increasingly diverse groups of children, parents, and colleagues. Program requires one year of successful classroom teaching experience for graduation.

In accordance with the Graduate School Policies, candidates in this program must maintain a cumulative 3.0 G.P.A.

PTEP Program Requirements

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Graduate Initial Admission to PTEP
- Completion of Application for Student Teaching

- Successfully pass content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

**Please note: Federal student loans are not currently available to students who are pursuing a CO state license (initial or additional) through UNC's stand-alone, graduate level licensure programs without also being simultaneously enrolled in a Masters or Doctoral degree program.*

DEGREE REQUIREMENTS — 45 CREDITS

Required Credits — 45 hours

EDEL 510	Reading Assessment Informs Teaching	3
EDEL 520	Effective Instruction in Elementary School Mathematics	3
EDEL 544	Elementary Student Teaching	4
EDEL 545	Elementary Student Teaching Seminar and Capstone	2
EDEL 550	Effective Instruction in Elementary School Social Studies	3
EDEL 560	Teaching Foundational Reading Skills	3
EDEL 602	Elementary School Practicum	2
EDEL 603	Elementary Practicum Seminar	1
EDEL 612	Elementary School Curriculum	3
ECLD 515	Content Literacy for Diverse Learners	3
EDSE 510	Foundations of Special Education	3
EDF 500	Conceptions of Schooling	3
ET 501	Introduction to Applications of Educational Technology in PK-12 Education	3
PSY 500	Educational Psychology for Teachers	3

SCED 570	Teaching Science in the Elementary School	3
SRM 600	Introduction to Graduate Research	3

EDEL 544 must be completed in grade K-6 in an elementary school setting.

EDUCATION M.A.T. – CULTURALLY AND LINGUISTICALLY DIVERSE EDUCATION CONCENTRATION

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Master's Degree Admission Requirements (p. 16)

Director: Jingzi (Ginny) Huang, Ph.D.

Location: McKee 216

Telephone: 970.351.2908

Website: www.unco.edu/cebs/teacher-education/

The Master of Arts in Teaching - Culturally & Linguistically Diverse (MAT-CLD) Education program prepares teachers to serve the growing number of emergent bilingual learners in their classrooms. Requirements for the program include admission to the Graduate School with a teaching license or evidence of enrollment in a teacher preparation program. Program requires one year of successful classroom teaching experience for graduation.

**Please note: Federal student loans are not currently available to students who are pursuing a CO state license (initial or additional) through UNC's stand-alone, graduate level licensure programs without also being simultaneously enrolled in a Masters or Doctoral degree program.*

DEGREE REQUIREMENTS — 30 CREDITS

Required Course — 3 credit hours

SRM 600	Introduction to Graduate Research	3
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Required Major Credits — 27 credit hours

ECLD 504	Field Experience in Culturally & Linguistically Diverse Education	3
ECLD 523	Academic Language/Literacy Development for Diverse Learners in School Settings	3
ECLD 592	Second Language Acquisition Theory	3
ECLD 593	Language, School and Society	3
ECLD 594	Foundations of Language and Linguistics for ESL/Bilingual Educators	3
ECLD 602	Teaching Culturally Linguistically Diverse and Bilingual Learners	3

ECLD 605	Seminar in Multilingual Teaching and Learning	3
ECLD 611	CLD Methods and Assessment I	3
ECLD 612	CLD Methods and Assessment II	3

ACCELERATED MAT 4 PLUS 1 IN CLD

Motivated students may seek to complete the requirements for the BA in Elementary Education and MAT in CLD Education in five years with the following credentials:

- BA in Elementary Education,
- CO teaching license in Elementary Education,
- CO Culturally and Linguistically Diverse Education Endorsement, highly desired by CO schools,
- Master's degree in Teaching (MAT) in CLD Education

The online delivery format in the fifth year would allow graduates to be working full time while completing the MAT degree.

To obtain both degrees, students must complete all the requirements for the B.A. in Elementary Education described above (120 credit hours) and all of the requirements for the MAT in CLD Education Concentration described in the Graduate Catalog (30 credit hours). However, the accelerated BA/MAT program involves credit hours shared between the Bachelor's and Master's programs, so the total number of credit hours to complete the accelerated Master's program is 141 for students with a BA in Elementary Education with CLD Endorsement.

Completing the requirements for both degrees is made possible by taking double-counted BA/MAT credits during the Junior and Senior years (ECLD 592, ECLD 594 and ECLD 523 paid for at the undergraduate tuition rate) and graduate-level credits (online – graduate-level tuition rate) starting the summer or spring following the Senior year and completion of the undergraduate program. While this is the most efficient route, students may also elect to complete the program at a slower pace. Students remain eligible for financial aid as an undergraduate; any Graduate School aid is not available until students are admitted to the Graduate Program.

To be fully admitted to the MAT program, students must graduate with a cumulative GPA at 3.00 and above for the BA. Students then take the remaining 7 graduate courses: ECLD 602, ECLD 601 (sub for 611), ECLD 593, ECLD 612, ECLD 605, ECLD elective (waiving ECLD 504), SRM 600 and one elective to complete the MAT program.

Accelerated M.A.T. CLD Admission

Due to its necessarily streamlined path of progression, admission to the Accelerated B.A. and M.A.T. in CLD occurs in a structured way. Students interested in transferring into the accelerated program must:

- Have a cumulative GPA of at least 3.25 to take graduate-level courses as a Junior.
- Meet with the CEBS CLD Education Advisor prior to the start of Junior year for application (following the same procedure and meeting the same requirements as other M.A.T. applicants). Full admission is dependent on completing the B.A. requirements in the Senior year while maintaining a minimum cumulative 3.00 GPA. The program application will be signed and forwarded to the Graduate School with signatures of the program advisor indicating the approval of graduate course transfer.
- Complete ECLD 592, 594, 523 starting in the summer at the end of the sophomore year. These are the 9 credits which count towards both undergraduate and graduate degrees.
- Students must apply for completion of their B.A. degree the semester before completing the degree. To apply, students must be registered for all remaining courses in their final undergraduate semester.

Accelerated M.A.T. CLD Timeline

Outline for degree completion of the *Accelerated Elementary Education BA – CLD Teaching Licensure (K-6) to MAT CLD 4+1 Dual Endorsement Program* - Total 30 Credits

Sophomore year

Meet with CEBS CLD advisor and apply for the program

In Junior and Senior years, schedule the following courses based on advisement from the CLD advisor:

ECLD 523 for ECLD 455 in non 4+1 (3 credits, counts for both degrees)

ECLD 592 for ECLD 360 in non 4+1 (3 credits, counts for both degrees)

ECLD 594 for ECLD 380 in non 4+1 (3 credits, counts for both degrees)

Summer after completion of Senior year to graduate with the BA:

Complete all the following taking two courses each semester including summer:

SRM 600 (3 credits)

ECLD 593 (3 credits)

ECLD 602 (3 credits)

ECLD 612 (3 credits)

ECLD 605 (3 credits)

ECLD 601 (waiving ECLD 611 as a result of taking a CLD methods course in the undergraduate Elementary CLD program) (3 credits)

ECLD Elective (waiving ECLD 504 as a result of taking a practicum course in the undergraduate Elementary CLD program) (3 credits)

EDUCATIONAL LEADERSHIP M.A.

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Master's Degree Admission Requirements (p. 16)

Chair: Linda R. Vogel, Ph.D.

Location: McKee 418

Telephone: 970.351.2119

The Master of Arts degree in Educational Leadership provides opportunities for candidates to acquire knowledge about leadership in P-12, community college, higher education, or other educational settings. The program provides opportunities for students to develop in-depth understanding about leadership roles and responsibilities, working with external environments, professional development, organizational behavior, and contemporary educational issues.

The master's degree requires a minimum of 30 semester hours of graduate study, of which 12 hours are core learning experiences. Students may obtain the master's degree while also working concurrently on a principal or administrator license.

Program Requirements:

Students may work concurrently on the principal's license and a Master of Arts degree (M.A.) in Educational Leadership. To obtain a Colorado principal license, students must have a master's degree or higher, complete a principal license program, and satisfactorily pass the PRAXIS exam. Students desiring a principal's license must work with the UNC licensure office for program verification when they have completed their coursework. Admission materials for review by the faculty include a current resume, copies of educator licenses, and a statement of goals in addition to the other information in the UNC application system for graduate student admission. Students are admitted each semester (fall, spring, and summer).

DEGREE REQUIREMENTS — 30 CREDITS

Required Courses — 15 hours

ELPS 601	Leadership Development Through Inquiry	3
ELPS 603	Shaping Organizations: Management and Leadership in Education	3

ELPS 604	Understanding People: Professional Development and Educational Leadership	3
ELPS 605	External Environments: Social, Political, and Economic Influences in Educational Leadership	3
SRM 600	Introduction to Graduate Research	3

Choose One Concentration Area Below — 9 hours

1. P-12 Education (9 hours)

ELPS 654	Instructional Leadership and Supervision	3
ELPS 660	Law and the Administrator	3
ELPS 670	The Principalship: Leadership at the School Site Level	3

2. Individually Designed Concentration (9 hours)

ELPS or HESA Prefix Courses	9
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Electives — 6 hours

Additional electives appropriate for concentration area to total a minimum of 30 semester hours for program completion.

Program Note

Satisfactory performance on a concluding activity approved by division faculty, in accordance with Graduate School policy, must be demonstrated.

EDUCATIONAL LEADERSHIP AND SPECIAL EDUCATION ADMINISTRATION M.A. – WITH DUAL LICENSURE AS A PRINCIPAL AND SPECIAL EDUCATION DIRECTOR

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Master's Degree Admission Requirements (p. 16)

Director: Linda R. Vogel, Ph.D.

Location: McKee 418A

Telephone: 970.351.2119

Website: www.unco.edu/cebs/leadership-policy-development-higher-education-p12-education/educational-leadership-policy-development/

The Master's (M.A.) degree program in Educational Leadership and Special Education Administration prepares candidates to become effective leaders and managers of educational programs and services at both the school building and school district levels of impact. Candidates for this degree complete coursework in applied research/evaluation, the principalship, foundations of educational leadership, contextual understanding of systems, policy/legal/procedural information, program planning & organization, budget & resources, and

parent/community engagement. The program provides opportunities for students to develop in-depth understanding about leadership roles and responsibilities, working with external environments, policy development, organizational behavior, and contemporary educational issues. The program prepares graduates to assume roles as building principals at elementary, middle, or high school levels; and district level positions as special education directors and/or central office administrators.

The M.A. Degree requires 39 semester hours of graduate study beyond the bachelor's degree. Satisfactory performance on a concluding activity demonstrating attainment of program outcomes and approved by faculty, in accordance with Graduate School policy, must be demonstrated.

Upon successful completion of this program, students will earn a M.A. degree with dual licensure as a Principal and Special Education Director.

DEGREE REQUIREMENTS — 39 CREDITS

Educational Leadership Courses — 21 hours

ELPS 601	Leadership Development Through Inquiry	3
ELPS 603	Shaping Organizations: Management and Leadership in Education	3
ELPS 604	Understanding People: Professional Development and Educational Leadership	3
ELPS 650	School Finance and Budgeting	3
ELPS 654	Instructional Leadership and Supervision	3
ELPS 660	Law and the Administrator	3
ELPS 670	The Principalsip: Leadership at the School Site Level	3

Field-based Learning — 6 hours

ELPS 606	Internship in Educational Leadership	1-9
EDSE 697	Externship in Special Education: Administration	1-12

ELPS 606: take 3 credits

EDSE 697: take 3 credits

Research — 3 hours

SRM 600	Introduction to Graduate Research	3
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Special Education Administration Courses — 9 hours

EDSE 680	Administration and Supervision of Special Education	3
EDSE 681	Administrative Planning and Program Evaluation in Special Education	3
EDSE 718	Advanced Seminar in Education of Students with Hearing and/or Visual Loss	3

Program Note

Satisfactory performance on a concluding activity demonstrating attainment of program outcomes and approved by faculty, in accordance with Graduate School policy, must be demonstrated.

EDUCATIONAL PSYCHOLOGY M.A.

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Master's Degree Admission Requirements (p. 16)

Director: Carl E. Granrud, Ph.D.

Location: McKee 0014

Telephone: 970.351.2957

Website: www.unco.edu/cebs/psychological-sciences/

The master's and doctoral programs are designed to prepare individuals for educational activities such as instruction, evaluation, test construction, educational research, educational consulting to business and public schools, and university teaching. All students must abide by the codes of ethics of the American Psychological Association (APA) and the American Educational Research Association (AERA).

Educational Psychology offers programs and service courses at both the graduate and undergraduate levels. The program faculty provide courses on psychological principles and theories and research methodologies as applied to the educational process. These applications range from everyday concerns in the public school classroom to basic research on learning and cognition, and the development of children, adolescents, and adults. Faculty and students have access to computers, a complete set of data analysis software packages and laboratory facilities available for both teaching and research purposes. Service courses are offered to support other university programs at both the undergraduate and graduate levels.

Educational Psychology M.A. en route to the Ph.D.

Students may apply for admission to the Ph.D. in Educational Psychology and complete their M.A. in Educational Psychology on the way to the doctoral degree. The application process and the admission criteria are the same as for the Ph.D. program. Once admitted, students will complete the 30 credit M.A. program. Students must complete all program requirements (including Comprehensive Examination) for the M.A. in addition to the minimum credit hours required for the Ph.D. Students must be conferred with the M.A. degree prior to admission to doctoral candidacy.

DEGREE REQUIREMENTS — 30 CREDITS**Theoretical Foundations — 9 hours**

PSY 530	Life Span Developmental Psychology	3
PSY 540	Theories and Principles of Learning	3
PSY 644	Motivation in Education	3

Research Methods — 6 hours

SRM 600	Introduction to Graduate Research	3
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One of the following:

SRM 602	Statistical Methods I	3
SRM 680	Introduction to Qualitative Research	3

Professional Foundations — 9 hours

PSY 575	Educational Assessment	3
PSY 661	Trends and Issues in Educational Psychology	3
PSY 674	Measurement I: Classical Test Theory	3

Elective Credits — 6 hours

NOTES: Students choose electives in consultation with their advisor. Options include, but are not limited to courses in Education, Psychology, Educational Technology, Statistics and Research Methods, Professional or School Psychology, Special Education, or Educational Leadership. Courses numbered 508 or 513 are not acceptable for credit in graduate programs.

PSY 699 is a highly recommended elective for students intending subsequently to enter a doctoral program. Student competencies are examined by comprehensive examination during fall, spring or summer semesters.

ACCELERATED (4 + 1) PSYCHOLOGY B.A. AND EDUCATIONAL PSYCHOLOGY M.A.

Site: Greeley

Mode: In-person

Start term: Summer, Fall, Spring

Motivated and high-achieving students may seek to complete the requirements for the B.A. in Psychology and M.A. in Educational Psychology in five years. To obtain both degrees, students must complete all the requirements for the B.A. described in the Undergraduate Catalog and all of the requirements for the M.A. described in the Graduate Catalog. Completing the requirements for both degrees in the accelerated Master's program is made possible by taking 9 credits of graduate course work in the junior and senior years (paid for at the undergraduate tuition rate). Students remain eligible for financial aid as an undergraduate; any Graduate School aid is not available until students are admitted as a Graduate student.

Students interested in transferring into an accelerated Master's Program must:

- Have a cumulative GPA of at least 3.0 to take graduate-level courses as a junior or senior.
- Meet with the program's advisor in their junior year, apply (following the same procedure and meeting the same requirements as other M.A. applicants). Full admission is dependent on completing the B.A. requirements in the senior year while maintaining a minimum 3.0 GPA.
- Students and faculty identify the graduate courses the students should take. The program application will be signed and forwarded to the Graduate School with signatures of the program advisor indicating the approval of graduate course transfer.

EDUCATIONAL PSYCHOLOGY M.A. – TEACHING APPLICATIONS CONCENTRATION**PROGRAM OVERVIEW****College of Education and Behavioral Sciences**

General Master's Degree Admission Requirements (p. 16)

Director: Carl E. Granrud, Ph.D.

Location: McKee 0014

Telephone: 970.351.2957

Website: www.unco.edu/cebs/psychological-sciences/

The Educational Psychology: Teaching Applications Concentration is designed specifically for teachers. The strategically-designed online program will help teachers optimize teaching and learning processes in the classroom.

The master's and doctoral programs are designed to prepare individuals for educational activities such as instruction, evaluation, test construction, educational research, educational consulting to business and public schools, and university teaching. All students must abide by the codes of ethics of the American Psychological Association (APA) and the American Educational Research Association (AERA).

Educational Psychology offers programs and service courses at both the graduate and undergraduate levels. The program faculty provide courses on psychological principles and theories and research methodologies as applied to the educational process. These applications range from everyday concerns in the public school classroom to basic research on learning and cognition, and the development of children, adolescents, and adults. Faculty and students have access to computers, a complete set of data analysis software packages and laboratory

facilities available for both teaching and research purposes. Service courses are offered to support other university programs at both the undergraduate and graduate levels.

DEGREE REQUIREMENTS — 30 CREDITS

Required Major Credits — 30 credit hours

PSY 533	Social Emotional Learning in Education	3
PSY 561	Hot Topics in Education	3
PSY 562	Science of Creativity for Teaching	3
PSY 575	Educational Assessment	3
PSY 581	Brain and Education	3
PSY 600	Graduate Research Methodology	3
PSY 640	Cultural Issues in Education Psychology	3
PSY 644	Motivation in Education	3
PSY 681	Learning and Instruction	3
PSY 697	Master's Project in Psychology	3-6

PSY 697: take 3 credits

Program Notes

This program is offered according to a cohort model in which all students take the courses in the same sequence. The required comprehensive examination will be satisfied by successful completion of the MA Project, as set forth in program guidelines.

EDUCATIONAL TECHNOLOGY M.A.

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Master's Degree Admission Requirements (p. 16)

Director: Jingzi (Ginny) Huang, Ph.D.

Location: McKee 216

Telephone: 970.351.2908

Website: www.unco.edu/cebs/teacher-education/

The Master of Arts (MA) in Educational Technology provides an advanced degree in technology knowledge and pedagogical practices that culminates with a comprehensive exam. Graduates work in a variety of learning contexts (K-12, higher education, online environments, military training, business/organizational, and international settings) as scholars, educators, professional developers, program developers, and consultants. Collaborative research and other scholarly projects are encouraged among students and faculty. Students are encouraged to publish research and present it in scholarly venues. The program is designed to be rigorous but practical.

Once admitted, the student will work closely with their academic advisor to develop a plan of study that meets the

individual professional needs. While all students are expected to complete the core content and research courses, electives are selected to tailor the program to meet various professional foci within the field of educational technology. A MA degree in Educational Technology will be conferred with a minimum of 30 credits beyond the undergraduate degree and successful completion of a comprehensive exam. Once admitted to a program, students must maintain a satisfactory grade point average of 3.2.

DEGREE REQUIREMENTS — 30 CREDITS

Required Core — 15 credits

ET 501	Introduction to Applications of Educational Technology in PK-12 Education	3
ET 523	Innovative Pedagogy and Assessment	3
ET 525	Learners and Curriculum in the Digital Age	3
ET 527	Social Justice in the Digital Age	3
ET 529	Instructional Design	3

Research Core — 6 credits

SRM 600	Introduction to Graduate Research	3
ET 675	Innovating Education Culture: Research and Practice	3

Electives — 9 credits

Select 9 credits in collaboration with academic advisor

ET 630	Trends and Issues in Instructional Design and Technology	3
ET 631	Distance Education	3
ET 635	Instructional Materials Development for Online Learning	3
ET 640	Applications of Multiliteracies	3
ET 641	Designing, Playing, and Learning	3
ET 643	Innovative Instructional Formats	3
ET 645	Children's Engineering and STEM	3

Additional Course Options

ET 622	Directed Study	1-3
ET 695	Special Topics in Educational Technology	1-3

Program Notes

Students need to have completed the preparatory coursework prior to taking the comprehensive examination. In addition, the student's advisor signature is required on the Permission form to take Written Comprehensive Examination, which verifies that the student is cleared to take the comprehensive examination. Successful completion of the written comprehension exam is required to complete the Master of Arts program.

Students may transfer up to 6 semester hours or 9 quarter hours of approved graduate level credit to the program from other accredited institutions. All coursework to be

transferred or applied to meet graduate course requirements that was completed before a student's acceptance into a graduate degree program must be approved by the UNC Graduate School.

ENGLISH M.A.

PROGRAM OVERVIEW

College of Humanities and Social Sciences

General Master's Degree Admission Requirements (p. 16)

Location: Ross 1284

Email: HSS@unco.edu

Website: www.unco.edu/hss/english/

The master's degree program provides focused, in-depth study of literature, practical experiences in literary criticism and research and opportunities for advanced levels of writing. Judicious selection of courses under the guidance of the student's advisor may provide additional focus to the program through special course clusters in areas such as pedagogy, literary theory, rhetoric/composition, or specific periods of interests.

Graduates of the program will be prepared to enter a wide range of fields and/or to pursue additional advanced levels of study such as the Ph.D. in English. The program enables teachers currently in the field to develop special areas of interest, to pursue these in depth, and to enhance their skills in teaching, research, and writing. In addition, graduates can pursue professional study in law, theology, medicine (with appropriate science and mathematics preparation), library science, communications, media, and business. The M.A. in English is excellent preparation for any profession or occupation that stresses language usage, such as writing.

DEGREE REQUIREMENTS — 30 CREDITS

Required Major Credits — 18 credits

ENG 500	Introduction to Graduate Study	3
ENG 601	Advanced Research Methods	3

Literature/Language/Cultural Studies — 6 credits

Choose two Literature/Language/Cultural Studies Courses

ENG 530	Advanced Studies in World Literature	3
ENG 541	Colloquium in Literature	3
ENG 570	Advanced Studies in American Literature	3
ENG 580	Advanced Studies in British Literature	3
ENG 633	Studies in Linguistics	3
ENG 639	Graduate Seminar in Literature	3
ENG 642	Film Theory and Analysis	3
HUM 595	Advanced Cultural Studies	3

Rhetoric and Composition — 3 credits

Choose one Rhetoric and Composition Course

ENG 540	Introduction to Composition and Rhetoric	3
ENG 594	Practicum in the Teaching of College Composition	3
ENG 640	History and Theory of Rhetoric	3
ENG 641	Studies in Composition Research and Pedagogy	3

Professionalization — 3 credits

Choose one Professionalization Course

ENG 650	Advanced Editing	3
ENG 651	Professional Writing in the Non-Profit Sector	3
ENG 652	Advanced Studies in Digital Humanities	3
ENG 653	Writing Center Administration	3

Required Elective Credits — 12 credits

Elective courses must be selected from ENG or HUM 500-level and 600-level offerings and include an additional course (3 credits) from either the Rhetoric and Composition or the Professionalization sections. It may be possible to complete a graduate course with a different letter code, subject to advisor approval.

Select one of the following options:

1. **Comprehensive Exam.** Students pursuing this track will pass a written comprehensive exam, covering five areas of concentration, during their final semester of study.
2. **Master's Project (3-12 credits).** Students pursuing the MA project must take ENG 697 as an elective course. The 12-credit extended project option will count for all required elective credits. The specific credit weight of ENG 697 depends on the scope and type of the proposed project and must be approved by the Project Committee Chair before registration. Students must make a public presentation of the project before an audience of students and faculty.
 - a. **The MA Project may take one of the following formats:**
 - i. A single research project;
 - ii. A digital project, to include a critical/reflective essay;
 - iii. An archival project, to include a critical/reflective essay;
 - iiii. A workplace-based applied project;
 - iiiii. A pedagogy-focused project that explores teaching practices and curriculum innovation.

- b. Students pursuing the 3- and 6-credit options complete ENG 697 in one semester, students pursuing the extended 12-credit option must take two 6-credit iterations of ENG 697 across two consecutive semesters to complete their project. Depending on the nature of the proposed project, required courses may be adjusted to align as closely as possible with the project's focus. Please refer to the ENG 697 syllabus for additional guidance concerning project lengths, etc.

ACCELERATED ENGLISH M.A.

Motivated and high-achieving students may seek to complete the requirements for the B.A. and M.A. in English in five years. To obtain both degrees, students must complete all the requirements for the B.A. described in the Undergraduate Catalog (120 credit hours) and all of the requirements for the standard M.A. described in the Graduate Catalog (30 credit hours). However, the accelerated B.A./M.A. program involves 9 credit hours that are shared between the Bachelor's and Master's programs, so the total number of credit hours to complete the accelerated Master's program is 141. Completing the requirements for both degrees is made possible by taking the 9 double-counted B.A./M.A. credits in the Senior year (paid for at the undergraduate tuition rate) and 3 graduate-level credits (online at the graduate-level tuition rate) in the summer following the Senior year and completion of the undergraduate program. Students remain eligible for financial aid as an undergraduate; any Graduate School aid is not available until students are admitted as a Graduate student.

Due to its necessarily streamlined path of progression, admission to the Accelerated B.A. and M.A. in English occurs in the fall semester only. Students interested in transferring into the accelerated program must:

- Have a cumulative GPA of at least 3.0 to take graduate-level courses as a Senior.
- Meet with the English M.A. Director of Graduate Studies in the fall semester of the Junior year and apply during the spring semester of the Junior year (following the same procedure and meeting the same requirements as other M.A. applicants). Full admission is dependent on completing the B.A. requirements in the senior year while maintaining a minimum 3.0 GPA. The program application will be signed and forwarded to the Graduate School with signatures of the program advisor indicating the approval of graduate course transfer.
- Complete ENG 500 Introduction to Graduate Studies in the fall semester of their Senior year, followed by two 500-level elective courses in the spring semester of that year. These are the 9 credits that are double counted within the accelerated program only.

- Fulfill all the requirements as outlined in the two-year MA in English.
- Students must apply for completion of their UG degree the semester before completing UG degree (i.e., in the fall semester of their Senior Year). To apply, students must be registered for all remaining courses in their final UG semester, (the spring semester of their Senior Year).

Outline for degree completion of the Accelerated (4+1) B.A. and M.A. in English — 30 Credits

Meet with faculty advisor or Director of Graduate Studies and apply for the program in the fall semester, Junior Year.

Fall Semester, Senior year

- ENG 500 Introduction to Graduate Studies (3 credits) [double-counted]

Spring Semester, Senior year

- Two ENG 500-599 courses (6 credits) [double-counted]

Note: Because students are required to register for their six 500-level spring credits while they are still Undergraduate students, they must complete the Petition to Count Work Toward the Next Higher Degree form with the Graduate School.

Summer after Senior year

- One ENG 500-699 courses (3 credits) - online

Note: Because students are required to register for the six summer credits while they are still undergraduate students, they must call the Office of the Registrar no later than the drop period for the summer semester to change their registration to graduate level.

Fall Semester, fifth year

- Three ENG 500-699 courses (9 credits)

Spring Semester, fifth year

- ENG 601 Advanced Theory and Research Methods (3 credits)
- Two 500-699 ENG-coded courses (6 credits)
- **MA comprehensive examination**

ENGLISH EDUCATION M.A.

PROGRAM OVERVIEW

College of Humanities and Social Sciences

General Master's Degree Admission Requirements (p. 16)

Director: Stacy Bailey

Phone: 970- 351-2586

Location: Ross 1130B

The 30-credit MA in English Education reflects current trends and issues in research and instruction in the discipline of English education. The degree program is designed to expand teachers' knowledge of language, literature, composition, and related fields, thus preparing them to develop English curricula that meet the needs of middle school, high school, and dual enrollment students. The course of study introduces new teaching skills, theories, and strategies. It also prepares teachers to engage in authentic classroom-based research. The program achieves these ends by offering multiple concentration or cognate area options that allow teachers to tailor a program of study to meet their professional interests, needs, and goals. The program is offered for on-going open enrollment; courses are offered in a fully online modality in order to accommodate the schedules of working teachers.

DEGREE REQUIREMENTS — 30 CREDITS

Graduate Study Core — 6 credits

ENG 602	Introduction to Graduate Study: Issues, Trends and Topics in English Content and Pedagogy	3
ENG 620	Teaching as Inquiry: Teacher Action Research in the English Classroom	3

Required English Electives — 9 credits

Select three courses at the 500- or 600-level with ENG or HUM prefixes.

ENG 515	Using Literature to Address Social and Emotional Learning	3
ENG 523	Advanced Studies in the Teaching of Writing	3
ENG 525	Studies in the Moving Image	3
ENG 530	Advanced Studies in World Literature	3
ENG 536	Teaching Immigrant Literature	3
ENG 538	Literary Criticism and Theory	3
ENG 540	Introduction to Composition and Rhetoric	3
ENG 541	Colloquium in Literature	3
ENG 547	Visual Rhetoric and Multimodal Literacies	3
ENG 561	Genre Study: Poetry	3
ENG 562	Genre Study: Fiction	3

ENG 563	Genre Study: Drama	3
ENG 570	Advanced Studies in American Literature	3
ENG 580	Advanced Studies in British Literature	3
ENG 610	Interventions in Literacy	3
ENG 623	Old English	3
ENG 626	Studies in the Restoration and Eighteenth Century	3
ENG 628	Studies in the Victorian Period	3
ENG 629	20th Century British Literature	3
ENG 632	American Literature WW1 to Present	3
ENG 633	Studies in Linguistics	3
ENG 634	Studies in World Literature	3
ENG 639	Graduate Seminar in Literature	3
ENG 640	History and Theory of Rhetoric	3
ENG 641	Studies in Composition Research and Pedagogy	3
ENG 642	Film Theory and Analysis	3
ENG 652	Advanced Studies in Digital Humanities	3
ENG 653	Writing Center Administration	3

Additional Electives — 3 -12 credits

Elective courses may be selected from the following programs in consultation with an English Education advisor. (Courses from additional programs may be included with advisor approval. Students may also be approved for 15 elective credits outside of ENG in consultation with their advisor.)

- Culturally and Linguistically Diverse Education (ECLD)
- Educational Psychology (PSY)
- Educational Foundations (EDF)
- English (ENG)
- Literacy (ELIT) or Reading (EDRD)
- Special Education (EDSE)
- Educational Technology (ET)
- Technology, Innovation, & Pedagogy (TIP)

Master's Project — 3 -12 credits

Students pursuing the MA--EED must complete a capstone project for 3, 6, or 12 credits. The specific credit weight of ENG 697 depends on the scope and type of the proposed project and must be approved by the Project Committee Chair before registration. Students choosing a 12-credit project must make a public presentation of the project before an audience of students and faculty.

The MA-EED Project may take one of the following formats:

- A single-topic research project
- A digital project, to include a critical/reflective essay
- An archival project, to include a critical/reflective essay
- A workplace-based applied project
- A pedagogy-focused project that explores teaching practices and curriculum innovation.

Students pursuing the 3- and 6-credit options complete ENG 697 in one semester; students pursuing the extended 12-credit option must take two 6-credit iterations of ENG 697 across two consecutive semesters to complete their project. Depending on the nature of the proposed project, required courses may be adjusted to align as closely as possible with the project focus. Please refer to the ENG 697 syllabus for additional guidance concerning project length, components, and so forth.

ENVIRONMENTAL GEOSCIENCES P.S.M. (PROFESSIONAL SCIENCE MASTER'S)

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Master's Degree Admission Requirements (p. 16)

Location: Ross Hall 3235

Telephone: 970.351.2647

Fax: 970.351.4197

Website: www.unco.edu/nhs/earth-atmospheric-sciences/

The Environmental Geosciences Professional Science Master's (P.S.M.) degree program is certified by the Council of Graduate Schools; it operates under guidelines of the P.S.M. National Office. Those guidelines specify that at least half of the credits must be in science content; in addition, Professional Skills courses and a Professional Internship must be completed. The multidisciplinary structure of the department affords each student the opportunity to develop a sequence of courses that complements and builds upon their previous education and experience, whether in the earth sciences or a wide variety of other science, technology, engineering, mathematics, or other fields.

DEGREE REQUIREMENTS — 30 CREDITS

Graduate Communications Course (3 credits)

Choose one of the following:

COMM 514	Interpersonal Communication	3
COMM 515	Group Communication	3
COMM 541	Courtroom Communication	3
COMM 553	Professional Speaking	3
COMM 610	Communication & Technology	3

Other Professional Skills Course (3 credits)

Choose one of the following:

BAAC 527	Governmental and Institutional Accounting	3
CH 550	Environmental Health	3
ELPS 601	Leadership Development Through Inquiry	3
INTR 560	Ethics in Leadership	3

Required Credits — 7 hours

ESCI 599	Seminar in Earth Sciences	1
ESCI 600	Introduction to Earth Science Research	2
ESCI 692	Earth Science Internship	1-15

ESCI 599: must be taken twice for a total of 2 credits

ESCI 692: Take 3 credits

Required Earth Sciences Content Courses — 14 credits

14 credits of graduate-level earth sciences content from prefixes ESCI, GEOL, MET, or OCN at least 6 credits of which must be selected from:

ESCI 572	Industrial Safety	3
ESCI 605	Global Change	3
GEOL 510	Groundwater Geology	3
GEOL 515	Ore Geology	3
GEOL 583	Soils	3
GEOL 586	Petroleum and Energy	3
MET 552	Paleoclimatology	3

Required Professional Skills Courses — 6 credits

Required STEM Content Courses — 3 credits

Choose one of the following:

GEOG 507	Geographic Information Science	3
MATH 550	Applied Probability and Statistics	3
SRM 502	Applied Statistics	3

Program Notes

1. ESCI 599, a one-credit hour course, must be taken twice for a total of two credits.
2. ESCI 600 should be taken the first Fall semester of attendance.
3. A 3.0 GPA in the courses taken as part of this major is required for graduation. A "C" or higher is required for all courses taken as part of the program.
4. At least two-thirds of a student's master's degree program must be in courses that are not double-numbered courses or in courses that have been taught solely as 500-level or above graduate courses.

FOREIGN LANGUAGES M.A. – SPANISH TEACHING CONCENTRATION

PROGRAM OVERVIEW

College of Humanities and Social Sciences

General Master's Degree Admission Requirements (p. 16)

Location: Candelaria Hall

Email: HSS@unco.edu

Website: unco.edu/hss/world-languages-cultures/

The master's program is designed for the secondary school teacher of Spanish and concentrates on the development of a high level of functional proficiency in the four language skills - listening, reading, speaking, writing - and in four general content areas - civilization, language, literature, pedagogy. The most recent methodologies are studied and researched.

Students may complete the M.A. degree:

- In summers only on the Greeley campus or
- By combining summer studies with regular academic year program offerings
- By combining one summer of study at the University of Salamanca, Spain with the above programs.

By following the prescribed sequence of courses, students may complete the M.A. in three continuous summers on the Greeley campus. The three year cycle includes curriculum rotation featuring Spain, Latin America, and Mexico/Hispanic United States. Students may complete their M.A. in two years by combining academic year courses with two summer sessions at the Greeley campus. All candidates for the M.A. must attend at least one summer session.

DEGREE REQUIREMENTS — 30 CREDITS

Required Major Credits — 30 hours

SPAN 600	Introduction to Graduate Study and Research Methods	3
WLC 531	Teaching of Foreign Languages	3
Civilization — at least 6 hours:		
SPAN 560	Spanish Civilization and Culture	2
SPAN 561	Latin American Civilization and Culture	2
SPAN 562	Mexico and United States Hispanic Civilization and Culture	3
Literature — at least 9 hours:		
SPAN 555	Literature for Children and Adolescents	3
SPAN 570	Readings in United States Hispanic Literature	1-6
SPAN 571	Readings in Spanish Literature	1-3

SPAN 572	Readings in Latin American Literature	1-3
SPAN 576	Mexican Literature	1-3

Language— at least 6 hours:

SPAN 505	Spanish Phonetics and Dialects	3
SPAN 560	Spanish Civilization and Culture	2
SPAN 580	Grammar Topics	1-6
SPAN 581	Advanced Spanish Grammar	2
SPAN 583	Oral and Written Discourse	2

Program Notes

All master's candidates must successfully complete written and oral comprehensive examinations. No thesis is required.

For students opting for summer study at the University of Salamanca, Spain, 9 hours of transfer credit may be accepted.

A maximum of 9 hours of Academic Year courses (SPAN 531) may be accepted with permission of the graduate faculty in lieu of 9 hours of required SPAN courses in the above list.

The student must possess a B.A. in Spanish or the equivalent and must have completed one year of teaching experience in foreign language at the secondary level.

Students are required to complete 27 hours of coursework within the program in Spanish and pedagogy. SPAN 600 Introduction to Graduate Study and Research Methods (3) is also required.

See “Variable Topic Courses (p. 48)”.

FOUNDATIONS OF PROFESSIONAL PSYCHOLOGY M.A.

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Master's Degree Admission Requirements (p. 16)

Chair: David Hulac, Ph.D.

Location: McKee 248

Telephone: 970.351.2731

Website: www.unco.edu/cebs/school-psychology/

This program is part of a master's en route to a Ph.D. To pursue this degree students must be admitted to the Ph.D. program in School Psychology. This degree is not intended as a standalone program. Students who complete this program and are deemed to be making good progress are automatically admitted to continue with the Ph.D. program in School Psychology.

DEGREE REQUIREMENTS — 31 CREDITS**Required Credits — 31 hours**

APCE 682	Biological Aspects of Behavior	3
APCE 683	Affective Aspects of Behavior	1
APCE 707	Seminar in Personality and Counseling Theories	3
PSY 540	Theories and Principles of Learning	3
PSY 590	Seminar in History of Psychology	3
PSY 664	Advanced Social Psychology	3
SPSY 625	Applied Developmental Science	3
SPSY 628	Applied Behavior Analysis	3
SPSY 670	Principles of Psychometrics and Assessment	3
SPSY 758	Psychopathology in Schools and Clinical Settings	3

Select one of the following:

SRM 600	Introduction to Graduate Research	3
SRM 602	Statistical Methods I	3

Program Notes

Successful completion of a written comprehensive exam is required to complete the Master's in Foundations of Professional Psychology program.

HIGHER EDUCATION AND STUDENT AFFAIRS LEADERSHIP M.A.**PROGRAM OVERVIEW****College of Education and Behavioral Sciences**

General Master's Degree Admission Requirements (p. 16)

Program Coordinator: Tucker Gardiner, Ph.D.

Location: McKee 418

Telephone: 970.351.2861

Email: HESAL@unco.edu

Website: www.unco.edu/cebs/leadership-policy-development-higher-education-p12-education/higher-education-student-affairs-leadership/

The Higher Education and Student Affairs Leadership (HESAL) Master of Arts (M.A.) degree is a 36 credit hour program that prepares effective student affairs professionals who value a social justice perspective. Students take a wide array of courses in consultation with an assigned advisor who assists you in preparing for a vocation in higher education and student affairs' diverse environments. Students are required to earn three (3) credit hours of field experience under the mentorship of experienced higher education and student affairs leaders. The HESAL M.A. program follows applicable C.A.S. standards. For specific details on program requirements, curriculum, and course descriptions, please

consult the University of Northern Colorado's Graduate Catalog.

DEGREE REQUIREMENTS — 36 CREDITS**Required Courses — 30 hours**

HESA 601	Introduction to Higher Education & Student Affairs	3
HESA 611	Organization and Administration	3
HESA 612	Higher Education Assessment and Evaluation	3
HESA 650	College Student Development: Foundational Theory	3
HESA 655	Multiculturalism in Higher Education and Student Affairs	3
HESA 671	Introduction to Leadership in Higher Education and Student Affairs Leadership	3
HESA 675	Field Experience in Student Affairs	1-3
HESA 680	Law and Higher Education	3
HESA 683	Finance and Resource Management in Higher Education	3
SRM 600	Introduction to Graduate Research	3

HESA 675: minimum of 3 credits to meet program requirements

Elective Courses — 6 hours

MA students are required to take 6 credit hours of HESAL coursework at the 600 level from the following courses:

HESA 658	Helping Skills for Practitioners	3
HESA 695	Current Issues in Higher Education and Student Affairs Leadership	3

Program Notes

Satisfactory performance on a concluding activity approved by program faculty, in accordance with Graduate School policy, must be demonstrated. All coursework for the program must be completed with a grade of "C" or better.

HISTORY M.A.**PROGRAM OVERVIEW****College of Humanities and Social Sciences**

General Master's Degree Admission Requirements (p. 16)

Location: Ross Hall 3270

Email: HSS@unco.edu

Website: unco.edu/hss/history/

The master's degree in history has been designed with several options in mind. It may be taken as a foundation for further advanced graduate work; as part of an individualized program that prepares students for a

secondary teaching career; or as a terminal degree. Whichever option a student selects, faculty will stress the development of research techniques, analysis of historical data and expository writing skills.

Students receiving a master's degree in history will be competent in research methodology, writing skills and content in selected areas of history. Opportunities include advanced work in history, teaching at the secondary level (with licensure) or in junior and community colleges. Additionally, graduates may apply for professional schools, e.g., in law, library science, theology, museum curatorship and archival work.

DEGREE REQUIREMENTS — 30 CREDITS

Required Courses — 9 hours

HIST 500	Historiography	3
HIST 690	Writing Seminar	3

Students will take six credits of HIST 690.

Elective Courses — 21 hours

Elective courses may be taken from any HIST 500-level and 600-level courses.

Final Project

All students are responsible for completing two pieces of original historical writing of the length and quality of journal articles. Students will write the essays under the guidance of history faculty while taking two semesters of HIST 690 (one essay completed in each class). Combined, the two essays serve as the final project for the M.A. degree. Students must earn at least a B (B- is not acceptable) on the papers themselves, regardless of the grade earned for the course overall. Students who do not earn a B on either of their papers must take HIST 690 a third time; in this case, they may count the previous HIST 690 as an elective.

In order to complete the master's degree, students will also take 21 credits (7 classes) of electives covering any region or period of history. Please see "Variable Topics Courses (p. 48)."

ACCELERATED HISTORY M.A.

Motivated students may seek to complete the requirements for the B.A. and M.A. in History in five years. To obtain both degrees, students must complete all the requirements for the B.A. in History, either with a Liberal Arts Concentration or a Licensure Social Studies concentration, described in the Undergraduate Catalog (120 for Liberal Arts/121 credit hours for Secondary Teaching) and all of the requirements for the M.A. described above (30 credit hours). However, the accelerated B.A./M.A. program involves shared credit hours shared between the Bachelor's and Master's programs, so the total number of credit hours to complete the accelerated Master's program is 141 for students with a Liberal Arts concentration and 148 for

those with a Secondary Teaching concentration. Completing the requirements for both degrees is made possible by taking double-counted B.A./M.A. credits during the Senior year (paid for at the undergraduate tuition rate) and graduate-level credits (online – graduate-level tuition rate) in the summer following the Senior year and completion of the undergraduate program. While this is the most efficient route, students may also elect to complete the program at a slower pace. Students remain eligible for financial aid as an undergraduate; any Graduate School aid is not available until students are admitted to the Graduate Program.

Accelerated M.A. Admission

Due to its necessarily streamlined path of progression, admission to the Accelerated B.A. and M.A. in History occurs in the Fall semester only. Students interested in transferring into the accelerated program must:

- Have a cumulative GPA of at least 3.25 to take graduate-level courses as a Senior.
- Meet with the History M.A. Director of Graduate Studies in the fall semester of the Junior year and apply during the spring semester of the Junior year (following the same procedure and meeting the same requirements as other M.A. applicants). Full admission is dependent on completing the B.A. requirements in the Senior year while maintaining a minimum 3.25 GPA. The program application will be signed and forwarded to the Graduate School with signatures of the program advisor indicating the approval of graduate course transfer.
- For students whose B.A. has a Liberal Arts concentration, complete HIST 500 (Historiography) in the fall semester of their Senior year followed by HIST 480/580 (Senior Seminar) and another 500-level graduate course in the spring. These are the nine credits double counted within the accelerated program.
- For students whose B.A. has a Secondary Teaching concentration, complete HIST 480/580 (Senior Seminar) and HIST 500 (Historiography) in the fall semester of their Senior year. These are the six credits double counted within the accelerated program.
- Students must apply for completion of their B.A. degree the semester before completing the degree (e.g., in the fall semester of their Senior Year). To apply, students must be registered for all remaining courses in their final undergraduate semester.

Accelerated M.A. Timeline (B.A. with Liberal Arts Concentration) — 30 Credits

Outline for degree completion of the Accelerated B.A. with a Liberal Arts Concentration and M.A. in History

Fall Semester, Junior year

Meet with faculty advisor or Director of Graduate Studies and apply for the program

Fall Semester, Senior year

HIST 500 Historiography (3 credits, double-counted)

Spring Semester, Senior year

HIST 580 Senior Seminar (3 credits, double-counted)
A Second 500-level Graduate Course in History (3 credits, double-counted)

Summer after Senior year

One online 6-week 500-level courses (3 credits)

Notes:

- *Only two of these courses will be offered each summer.*
- *Because students are required to register for their three 500-level summer credits while they are still undergraduates, they must call the Office of the Registrar no later than the drop period for the summer semester to change their registration to graduate level*

Fall Semester, fifth year

Two 500-level HIST courses (6 credits)
HIST 690 Writing Seminar (3 credits)

Spring Semester, fifth year

Two 500-level HIST courses (6 credits)
HIST 690 Writing Seminar (3 credits)

Accelerated M.A. Timeline (B.A. with Secondary Teaching Concentration) — 30 Credits

Outline for degree completion of the Accelerated B.A. with a Secondary Teaching Concentration and M.A. in History

Fall Semester, Junior year

Meet with faculty advisor or Director of Graduate Studies and apply for the program

Fall Semester, Senior year

HIST 500 Historiography (3 credits, double-counted)
HIST 580 Senior Seminar (3 credits, double-counted)

Spring Semester, Senior year

Student Teaching

Summer after Senior year

Two online 6-week 500-level courses (6 credits)

Notes:

- *Only two of these courses will be offered each summer.*
- *Because students are required to register for their six 500-level summer credits while they are still undergraduates, they must call the Office of the Registrar no later than the drop period for the summer semester to change their registration to graduate level*

Fall Semester, fifth year

Two 500-level HIST-coded courses (6 credits)
HIST 690 Writing Seminar (3 credits)

Spring Semester, fifth year

Two 500-level HIST-coded courses (6 credits)
HIST 690 Writing Seminar (3 credits)

LITERACY M.A.**PROGRAM OVERVIEW****College of Education and Behavioral Sciences**

General Master's Degree Admission Requirements (p. 16)

Director: Jingzi (Ginny) Huang, Ph.D.

Location: McKee 216

Telephone: 970.351.2908

Website: www.unco.edu/cebs/teacher-education/

The Literacy M.A. graduate program prepare students to be inquiring practitioners who seek knowledge and experiences about literacy processes and practices.

These evolving scholars are guided and encouraged to pursue knowledge, commit to inquiry, engage in problem solving related to literacy processes and practices, and participate as leaders in literacy related activities. The inquiring practitioners learn to use literacy knowledge, practices, and processes to serve the changing technological, diversity, and literacy education needs of dynamic local and global environments.

There are several steps to the evaluation of the Literacy Program as well as to the evaluation of the students enrolled in the Literacy M.A. degree program. The evaluation process is ongoing. For admission into the Graduate School and admission into the Literacy M.A. degree program a student must complete and submit specific documents (Graduate School application, Literacy program application, three letters of reference and a resume) that Literacy program faculty members review and evaluate. As a student takes courses, they complete a university generated course evaluation form and may be asked to complete an instructor developed evaluation form. When a student reaches the mid-point of taking the eleven reading courses (after five courses), the student and the student's advisor meet to complete a progress interview. The purpose of the interview is for the student to reflect upon their performance to date, as well as to make known their evaluation of the strengths and needs of the Literacy program. At the conclusion of all the Literacy M.A. degree coursework, a student completes a synthesis notebook and oral defense or completes a thesis. Following the successful completion of the synthesis notebook and oral defense or thesis defense, the student completes an exit survey evaluating all of the elements of the Literacy program that the student has participated in and completed. Two years after graduating from the Literacy program with a Master of Arts degree the student will be asked to

complete another survey and to reflect on their overall program experience.

Program Requirements:

Applicants must have one year of full-time teaching experience, an overall 3.0 GPA on the last 60 semester hours; must complete the Literacy program Application and have three letters of recommendation sent to the Coordinator of the Literacy Program in McKee Hall. Upon receiving formal notification of admission a student must meet with their assigned advisor to plan a program of study.

DEGREE REQUIREMENTS — 30 CREDITS

Required Major Credits – 30 hours

ELIT 610	Literacy Teaching	3
ELIT 615	Family & Community Literacy	3
ELIT 621	New Literacies	3
ELIT 623	Classroom Literacy Research Design	3
ELIT 630	Children's Literature	3
ELIT 631	Content Literacy	3
ELIT 632	Teaching Writing	3
ELIT 671	Practical Literacy Assessment	3
ELIT 672	Literacy Leadership	3
ELIT 693	Capstone Literacy Seminar Implementing Research	3

Research

The following courses may be substituted for required courses as offered and with advisor consent:

ELIT 670	Directing a School-Wide Literacy Program	3
ELIT 692	Supervised Practicum in Literacy Coaching	4

MARRIAGE, COUPLES, AND FAMILY COUNSELING/THERAPY M.A.

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Master's Degree Admission Requirements (p. 16)

Chair: Heather Helm, Ph.D.

Location: McKee 248

Telephone: 970.351.2731

Website: www.unco.edu/cebs/applied-psychology-counselor-education/

This program is accredited by the Council for Accreditation of Counseling and Related Educational Programs.

The master's degree in Marriage, Couples, and Family Counseling/Therapy is designed to meet the educational

requirements for licensure as a Licensed Marriage and Family Therapist (LMFT). The degree prepares professionals for specialized work with couples and families and is focused on training in relationship, interpersonal interaction, and systems theory.

Program Requirements:

The prospective student must apply for admission to and be accepted by the program area faculty. Admission to the program requires a GPA of 3.0 or better, on a 4.00 point scale, from the most recent degree earned or current degree in progress. If the applicant's GPA is below 3.0, the Graduate Record Exam (General Test) score must be submitted. It is recommended that the applicant have a total score that meets or exceeds 1000 on the Verbal and Quantitative subtests, or 291 total on the new scoring scale, and a minimum of 3.5 on the Analytical Writing subtest. Attendance at a pre-admission workshop is required for this admission process to be completed. When attendance at the preadmission workshop is an extreme hardship for the applicant, special arrangements are made.

Acceptance is based on consideration of the following criteria:

- Clarity of career goals.
- Intellectual qualities.
- Professional judgment of appropriate personality characteristics as evidenced by a structured interview, interpersonal communication style and personal references.

DEGREE REQUIREMENTS — 66-75 CREDITS

Required Major Core Credits — 66 hours

APCE 603	Understanding Children, Adolescents, and Their Systems	3
APCE 605	Group Laboratory Experience	1
APCE 607	Theories of Counseling	3
APCE 612	Practicum in Individual Counseling	5
APCE 616	Career Theory, Counseling and Assessment	3
APCE 623	Understanding and Counseling Diverse Populations	3
APCE 624	Assessment and Treatment of Substance Abuse	3
APCE 650	Orientation to Clinical Counseling	3
APCE 657	Legal and Ethical Aspects of Counseling and Psychology	3
APCE 658	Diagnosis and Treatment Planning	3
APCE 660	Psychological Consultation: Theory and Practice	3
APCE 661	Psychological Trauma and Intervention for Individuals, Families and Communities	3
APCE 662	Group Dynamics and Facilitation	3

APCE 665	Family Systems	3
APCE 668	Sexuality Counseling	3
APCE 669	Advanced Methods: Couples and Family Therapy	3
APCE 673	Appraisal and Assessment in Counseling	3
APCE 691	Internship in Clinical Counseling: Couples and Family Therapy	1-9
APCE 694	Practicum in Couples and Family Therapy	4
APCE 695	Seminar: Contemporary Issues in Couples and Family Therapy	3
PSY 530	Life Span Developmental Psychology	3
SRM 600	Introduction to Graduate Research	3
APCE 691: Take 2 hours		
Recommended Electives		
APCE 508	Workshop	1-3
APCE 609	Foundations of Play Therapy	3
APCE 617	Play Therapy: Theory and Practicum	3
APCE 785	Advanced Practicum in Community Engagement: Campus Connections	1

Program can be completed with 66 credits but elective credits may be needed to meet certificate and/or certification requirements.

MATHEMATICS M.A. – LIBERAL ARTS CONCENTRATION

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Master's Degree Admission Requirements (p. 16)

Director: Jodie Dawn Novak, Ph.D.

Location: Ross Hall 2239

Telephone: 970.351.2820

Website: www.unco.edu/nhs/mathematical-sciences/

This program is intended for students who do not already possess a Master's degree and wish to continue into the Mathematics Education Ph.D (p. 191). It is not intended as a stand alone program. Students who complete this program and are deemed to be making good progress are automatically admitted to continue with the Ph.D. program.

Generally, a Bachelor's degree in mathematics or mathematics education with strong mathematics courses is required for admission. Students without a Bachelor's degree in mathematics are advised to consult the school for a list of recommended undergraduate courses they should take before applying.

Applicants to this program must submit the same application materials required for the Mathematics Education Ph.D.: a CV (curriculum vitae); at least three letters of recommendation with the UNC cover sheet; current general GRE scores (the subject exam is not required); and an essay of approximately 500 words about their personal educational goals and specific interest in the University of Northern Colorado's Mathematics Education Ph.D. program.

See Mathematical Sciences (p. 93)

DEGREE REQUIREMENTS — 30 CREDITS

Required Concentration Credits — 18 hours

MATH 525	Linear Algebra I	3
MATH 531	Basic Analysis I	3
MATH 532	Basic Analysis II	3
MATH 540	Introduction to Topology	3
MATH 560	Introductory Complex Variables	3
MED 610	Survey of Research in Mathematics Education	3

NOTE: MED 610 satisfies the Graduate School requirements for Introduction to Graduate Studies.

Required Elective Credits — 12 hours

Electives must be graduate level (500 or above) MATH, MED, or SRM courses, and must be approved by the student's advisor. At most 3 of the required elective credits can be from MATH 599 or MED 599.

Comprehensive Examinations

A student may select any of the following options to satisfy the comprehensive examination requirement. At least two faculty members will be involved in judging whether or not the selected option has been completed satisfactorily.

- *Option 1.* Completion of an Action Research Project involving the selection of a problem related to the student's teaching, review of relevant literature, plan, analysis and discussion. A copy of this project must be filed with the School; in addition, the student must make a presentation of the project. Students who choose this option will normally take MED 599 or MATH 599 to support their work on the project.
- *Option 2.* Completion of a Master's Research Project involving the selection of a problem, review of relevant literature, plan, analysis and discussion. A copy of this project must be filed with the School; in addition, the student must make a presentation of the project. This project may be associated with a course the student is taking, as long as it is an independent research project of high enough quality and approved in advance by the graduate program coordinator.
- *Option 3.* A written comprehensive examination over at least 2 of the required courses agreed upon in advance

with the graduate program coordinator. Up to two hours of oral examination will be given upon successful completion of the written examination.

MATHEMATICS M.A. – TEACHING CONCENTRATION

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Master's Degree Admission Requirements (p. 16)

Director: Jodie Dawn Novak, Ph.D.

Location: Ross Hall 2239

Telephone: 970.351.2820

Website: www.unco.edu/nhs/mathematical-sciences/

This program is designed to prepare teachers to be experts in their own classroom. Upon finishing this program they should be able to teach the content of mathematics, assume leadership roles in mathematics curriculum within their schools, and read and understand the professional literature relating to the teaching and learning of their discipline. The emphasis is on preparing teachers for the 21st century with a dynamic and individualized program of study.

See Mathematical Sciences

DEGREE REQUIREMENTS — 30 CREDITS

Required Concentration Credits — 9 hours

MATH 534	Continuous Mathematics	3
MATH 543	Modern Geometry	3
MED 600	Introduction to Research in Mathematics Education	3

NOTE: MED 600 satisfies the Graduate School requirements for Introduction to Graduate Studies

Elective Credits — 21 hours

Twelve semester hours must be selected from group A, six semester hours must be selected from group B and three semester hours must be selected from group C.

Group A (12 hours)

MATH 520	Functions and Equations	3
MATH 528	Discrete Mathematics	3
MATH 529	Mathematical Problem Solving	3
MATH 537	Mathematical Modeling	3
MATH 550	Applied Probability and Statistics	3
MATH 564	History of Mathematics	3
MATH 591	Abstract Algebra and Number Theory	3
MATH 595	Topics in Mathematics	1-3

Group B (6 hours)

MED 523	Teaching Algebra	3
MED 543	Teaching Geometry	3
MED 550	Teaching Applied Probability and Statistics	3

MED 555	Teaching Secondary Math for Understanding	3
MED 560	Culture in the Math Classroom	3
MED 595	Teaching Advanced Topics in Secondary School Mathematics	3
MED 673	Teaching and Learning Mathematics on the Elementary Level	3
MED 674	Teaching and Learning Mathematics on the Secondary Level	3

Group C (3 hours)

MATH 599	Mathematics Action Research Project Seminar	3
MED 599	Action Research Project Seminar	3

Additional electives may be chosen from courses offered by the school or other schools with the approval of the student's advisor.

Comprehensive Examinations

A student may select either one of the following options to satisfy the comprehensive examination requirement. Normally, at least three faculty members will be involved in judging whether or not the selected option has been completed satisfactorily.

- *Option 1.* A written examination over the three required courses and over one other course from Group B above (student's choice). Up to two hours of oral examination will be given upon successful completion of the written examination.
- *Option 2.* Completion of the Action Research Project involving the selection of a problem, review of relevant literature, plan, data analysis and discussion. A copy of this project must be filed with the School; in addition, the student must make a presentation of the project. Students who choose this option take MED 599 or MATH 599 to support their work on the project.

MULTILINGUAL EDUCATION M.A. – TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES (TESOL)

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Master's Degree Admission Requirements (p. 16)

Director: Jingzi (Ginny) Huang, Ph.D.

Location: McKee 216

Telephone: 970.351.2908

Website: www.unco.edu/cebs/teacher-education/

The Master of Art in Multilingual Education: TESOL prepares students with advanced knowledge, skills, and cross-cultural competencies to work in the field of TESOL

(Teaching English to Speakers of Other Languages) in international or non-K-12 (adult education) domestic settings, or engage in language education in multilingual settings.

DEGREE REQUIREMENTS — 30 CREDITS

Required Credits — 24 credits

ECLD 504	Field Experience in Culturally & Linguistically Diverse Education	3
ECLD 510	Practices in ESL/EFL Instruction and Assessment	3
ECLD 590	Communication and Technologies for Multilingual Education	3
ET 525	Learners and Curriculum in the Digital Age	3
ET 640	Applications of Multiliteracies	3
ECLD 592	Second Language Acquisition Theory	3
ECLD 594	Foundations of Language and Linguistics for ESL/Bilingual Educators	3
ECLD 601	Language, Linguistics, and Education	3
ECLD 605	Seminar in Multilingual Teaching and Learning	3
SRM 600	Introduction to Graduate Research	3

Elective Credits — 6 credits

Choose Two

ECLD 523	Academic Language/Literacy Development for Diverse Learners in School Settings	3
ECLD 593	Language, School and Society	3
ECLD 596	Effective Instruction in Culturally and Linguistically Diverse Education	3
ECLD 602	Teaching Culturally Linguistically Diverse and Bilingual Learners	3
EDSE 679	Interventions for Students with Cultural and Linguistic Differences	3

Comprehensive Exam

Candidates must successfully pass a comprehensive exam at the end of the master's degree program.

ACCELERATED (4+1) M.A. IN MULTILINGUAL EDUCATION-TESOL

Motivated students may seek to complete the requirements for the B.A. Asian Studies and M.A. Multilingual Education, Teaching English to Speakers of Other Languages (TESOL) in five years. To obtain both degrees, students must complete all the requirements for the B.A. in

Asian Studies, either with a **Liberal Arts Concentration**, described in the Undergraduate Catalog (120 for Liberal Arts) and all of the requirements for the **M.A. Multilingual Education, TESOL** (p. 139) described in the Graduate Catalog (30 credit hours). However, the accelerated B.A./M.A. program involves shared credit hours shared between the Bachelor's and Master's programs, so the total number of credit hours to complete the accelerated Master's program is 141 for students.

Completing the requirements for both degrees is made possible by taking double-counted B.A./M.A. credits (ECLD 592, ECLD 523, and ECLD 594) during the Junior and Senior years (paid for at the undergraduate tuition rate) and graduate-level credits (online – graduate-level tuition rate) in the summer following the Senior year and completion of the undergraduate program. While this is the most efficient route, students may also elect to complete the program at a slower pace. Students remain eligible for financial aid as an undergraduate; any Graduate School aid is not available until students are admitted as a Graduate student.

To be fully admitted to the MAT program, students must graduate with a cumulative GPA at 3.00 and above for the BA. Students then take the remaining 7 graduate courses: ECLD 504, ECLD 510, ECLD 601, ECLD 510, ECLD 605, ET 640, and SRM 600 to complete the MAT program.

Accelerated M.A. TESOL 4+1 Timeline

BA Asian Studies Majors in Accelerated MA TESOL 4+1 Program take 9 out of the 28 University-Wide Credits for the BA at the 500 levels in junior and senior years.

Students take the following as undergraduate electives:

- Fall Year 3: ECLD 592
- Spring Year 3: ECLD 523
- Fall Year 4: ECLD 594

Multilingual Education M.A. – Teaching English to Speakers of Other Languages (TESOL)— 30 Credits

Students complete the remaining 7 courses after graduation. See completion plans below.

Required Credits — 24 credits

ECLD 504	Field Experience in Culturally & Linguistically Diverse Education	3
ECLD 510	Practices in ESL/EFL Instruction and Assessment	3
ECLD 590	Communication and Technologies for Multilingual Education	3
ET 525	Learners and Curriculum in the Digital Age	3
ET 640	Applications of Multiliteracies	3

ECLD 592	Second Language Acquisition Theory	3
ECLD 594	Foundations of Language and Linguistics for ESL/Bilingual Educators	3
ECLD 601	Language, Linguistics, and Education	3
ECLD 605	Seminar in Multilingual Teaching and Learning	3
SRM 600	Introduction to Graduate Research	3
Elective Credits — 6 credits		
Choose Two		
ECLD 523	Academic Language/Literacy Development for Diverse Learners in School Settings	3
ECLD 593	Language, School and Society	3
ECLD 596	Effective Instruction in Culturally and Linguistically Diverse Education	3
ECLD 602	Teaching Culturally Linguistically Diverse and Bilingual Learners	3
EDSE 679	Interventions for Students with Cultural and Linguistic Differences	3

MULTILINGUAL EDUCATION M.A. – WORLD LANGUAGE LICENSURE PROGRAM

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Master's Degree Admission Requirements (p. 16)

Location: McKee 216

Telephone: 970.351.2908

Website: www.unco.edu/cebs/teacher-education/

Program Requirements

This licensure program requires an intensive field component that necessitates students to have means of transportation. UNC may provide transportation for a transportation fee of \$500 to \$700 per semester of practicum and student teaching.

Location of offering:

The program will be offered on UNC campus and through distant learning format to those who cannot be physically in Greeley. International students may more likely take the courses face-to-face though they may, if they choose, take courses online via technology in their own countries.

PTEP Program Requirements

Teacher candidates who complete an approved content degree and the UNC professional teacher education

program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Complete paperwork for Application for Initial Graduate Admission to PTEP
- Complete paperwork for Application for Student Teaching
- Successfully pass content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved. Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Please work with your program coordinator or advisor to determine when these requirements will be completed throughout your program.

**Please note: Federal student loans are not currently available to students who are pursuing a CO state license (initial or additional) through UNC's stand-alone, graduate level licensure programs without also being simultaneously enrolled in a Masters or Doctoral degree program.*

DEGREE REQUIREMENTS — 33 CREDITS

Candidates must successfully pass a comprehensive exam at the end of the master's degree program.

Candidates will also, prior to student teaching, provide proof of evidence of meeting the State requirement for professional competency in the content area through one of the following options:

1. A degree in the target world language; or
2. Passing score of state recognized test: Praxis, NES, or Place depending on the specific target language; or

3. 24 semester hours of college level coursework that meet the minimum requirement in each of the areas as required by the State.

Required Courses — 33 Credits

ECLD 501	World Language Practicum	3
ECLD 523	Academic Language/Literacy Development for Diverse Learners in School Settings	3
ECLD 541	Methods of Language Teaching in Multilingual Settings	3
ECLD 592	Second Language Acquisition Theory	3
ECLD 594	Foundations of Language and Linguistics for ESL/Bilingual Educators	3
ECLD 605	Seminar in Multilingual Teaching and Learning	3
EDF 500	Conceptions of Schooling	3
EDFE 555	Supervised Student Teaching	1-9
EDSE 679	Interventions for Students with Cultural and Linguistic Differences or	3
EDSE 510	Foundations of Special Education	3
SRM 600	Introduction to Graduate Research Comprehensive Exam	3 0

For EDFE 555, students should take 6 credits

Students who possess an active Colorado teaching endorsement in a world language may waive EDFE 555, but will be required to complete minimum 30 credits to earn the degree.

ACCELERATED (4+1) M.A. IN MULTILINGUAL EDUCATION-WORLD LANGUAGES WITH LICENSURE

Motivated students may seek to complete the requirements for the B.A. Asian Studies and M.A. Multilingual Education - World Language Licensure in five years. To obtain both degrees, students must complete all the requirements for the B.A. in Asian Studies, either with a **Liberal Arts Concentration**, described in the Undergraduate Catalog (120 for Liberal Arts) and all of the requirements for the **M.A. World Languages** (p. 141) described in the Graduate Catalog (33 credit hours). However, the accelerated B.A./M.A. program involves shared credit hours shared between the Bachelor's and Master's programs, so the total number of credit hours to complete the accelerated Master's program is 144 for students.

Completing the requirements for both degrees is made possible by taking double-counted B.A./M.A. credits (ECLD 592, ECLD 523, and ECLD 594) during the Junior and Senior years (paid for at the undergraduate tuition rate)

and graduate-level credits (online – graduate-level tuition rate) in the summer following the Senior year and completion of the undergraduate program. While this is the most efficient route, students may also elect to complete the program at a slower pace. Students remain eligible for financial aid as an undergraduate; any Graduate School aid is not available until students are admitted as a Graduate student after earning the BA.

To be fully admitted to the MAT program, students must graduate with a cumulative GPA at 3.00 and above for the BA. Students then take the remaining 7 graduate courses: ECLD 541, ECLD 501, ECLD 605, EDF 500, EDSE 510, SRM 600, and EDFE 555 (6 credits) to complete the MAT program.

Accelerated MA (4+1) Timeline

BA Asian Studies Majors in Accelerated MAT ME WL 4+1 Program take 9 out of the **28 University-Wide Credits** for the BA at the 500 levels in junior and senior years.

Students take the following as undergraduates as electives from the University-Wide credits:

- Fall Year 3: ECLD 592
- Spring Year 3: ECLD 523
- Fall Year 4: ECLD 594

MA in Multilingual Education with World Language Licensure— 33 credits

ECLD 501	World Language Practicum	3
ECLD 523	Academic Language/Literacy Development for Diverse Learners in School Settings	3
ECLD 541	Methods of Language Teaching in Multilingual Settings	3
ECLD 592	Second Language Acquisition Theory	3
ECLD 594	Foundations of Language and Linguistics for ESL/Bilingual Educators	3
ECLD 605	Seminar in Multilingual Teaching and Learning	3
EDF 500	Conceptions of Schooling	3
EDFE 555	Supervised Student Teaching	1-9
EDSE 510	Foundations of Special Education	3
SRM 600	Introduction to Graduate Research	3

Four CLDB courses are embedded in the MAT ME WL Program: ECLD 523, ECLD 592, ECLD 594, ECLD 541.

Only four more courses are needed (ECLD 602, ECLD 504, ECLD 611, ECLD 612) for CLDB endorsement.

Comprehensive Exam

Candidates must successfully pass a comprehensive exam at the end of the master's degree program.

Students complete the remaining 7 courses from one of the following plans:

ECLD 541, EDFE 501, SRM 600, ECLD 605, EDSE 679/510, EDF 500, EDFE 555 (6)

Option 1

Fall	Spring	Summer	Fall
ECLD 541	SRM 600	ECLD 605	EDFE 555 (6)
EDFE 501	EDSE 679/510	EDF 500	

Option 2

Spring	Summer	Fall	Spring
SRM 600	ECLD 605	ECLD 541	EDFE 555 (6)
EDSE 679/510	EDF 500	EDF 501	

Option 3

Summer	Fall	Spring	Summer
EDF 500	ECLD 541	EDFE 555 (6)	ECLD 605
SRM 600	EDFE 501		EDSE 510

Timeline Narrative**Spring Semester, 2nd Year**

Meet with faculty advisor or Director of Graduate Studies and apply for the program

Fall Semester, 3rd Year

ECLD 592 Second Language Acquisition Theory

Spring Semester, 3rd Year

ECLD 523 Academic Language/Literacy Development for Diverse Learners in School Settings

Fall Semester, 4th Year

ECLD 594 Foundations of Language and Linguistics for ESL/Bilingual Educators

Spring Semester, 4th Year

Complete BA in Asian Studies

Summer after Senior year

EDF 500 Conceptions of Schooling

SRM 600 Introduction to Graduate Research

Fall Semester, 5th year

ECLD 541 Methods of Language Teaching in Multilingual Settings

EDFE 501 Practicum

Spring Semester, 5th year

EDFE 555 (Student Teaching 6 credits)

Summer, 5th year

ECLD 605 Seminar in Multilingual Teaching and Learning

EDSE 510 Foundations of Special Education

MUSIC M.M. – COLLABORATIVE PIANO CONCENTRATION

PROGRAM OVERVIEW

College of Performing and Visual Arts

General Master's Degree Admission Requirements (p. 16)

Interim Director: Melissa Malde, D.M.A.

Interim Associate Director: Carissa Reddick, Ph.D.

Location: Frasier Hall 108

Telephone: 970.351.2993

Website: arts.unco.edu/music/

Graduate Coordinator: Carissa Reddick, Ph.D.

Each new student entering a graduate program in music at the University of Northern Colorado is required to take graduate advisory examinations in Music History and writing skills, and placement examinations in Music Theory and Aural Skills, and the student's major area. Graduate students who do not pass the theory placement exam must enroll in MUS 401. Graduate students who do not pass the aural skills placement exam must enroll in MUS 402. All students must either pass the theory and aural skills exam OR pass MUS 401 and/or MUS 402 with a grade of C or better before they can enroll in graduate-level theory classes or graduate from their programs.

The degree program seeks to assist graduate candidates in developing advanced professional competencies in performance, scholarly abilities, research, and pedagogical techniques for use in the profession or for instruction in higher education.

Residency, when stated in the music section of this Catalog, is interpreted to mean 9 credit hours or more per semester.

DEGREE REQUIREMENTS — 30-31 CREDITS**Required Concentration Credits — 24 hours**

Studies in Major Area

MUS 540	Techniques of Vocal Coaching for Pianists	2
MUS 541	Chamber Music Literature for Keyboard	2
MUS 600	Introduction to Musical Scholarship	2
MUS 694	Master's Recital	2
MUS 665	Individual Instruction in Collaborative Piano Ensemble by advisement	2

MUS 665: Take 8 hours

Other studies in Music

Music History, Music Theory	6
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Courses will be selected by advisement based upon candidates' needs identified through advisory examination.

Elective Concentration Credits — 6-7 hours

Electives will be selected by advisement based upon candidate's need identified through examination.

MUS 507	History of Instruments and Instrumental Practices	3
MUS 510	Vocal Pedagogy	2
MUS 536	German Art Song	2
MUS 538	French/Italian Art Song	2
MUS 539	British/American Art Song	2
MUS 559	Opera History and Literature	2
MUS 630	Small Ensembles and Chamber Music	1
MUS 671	Individual Instruction in Piano	2

**MUSIC M.M. – CONDUCTING
CONCENTRATION****PROGRAM OVERVIEW****College of Performing and Visual Arts**

General Master's Degree Admission Requirements (p. 16)

Interim Director: Melissa Malde, D.M.A.

Interim Associate Director: Carissa Reddick, Ph.D.

Location: Frasier Hall 108

Telephone: 970.351.2993

Website: arts.unco.edu/music/

Graduate Coordinator: Carissa Reddick, Ph.D.

Each new student entering a graduate program in music at the University of Northern Colorado is required to take graduate advisory examinations in Music History and

writing skills, and placement examinations in Music Theory and Aural Skills, and the student's major area. Graduate students who do not pass the theory placement exam must enroll in MUS 401. Graduate students who do not pass the aural skills placement exam must enroll in MUS 402. All students must either pass the theory and aural skills exam OR pass MUS 401 and/or MUS 402 with a grade of C or better before they can enroll in graduate-level theory classes or graduate from their programs.

Residency, when stated in the music section of this Catalog, is interpreted to mean 9 credit hours or more per semester.

The degree program seeks to assist graduate candidates in developing advanced professional competencies in performance, scholarly abilities, research, and pedagogical techniques for use in the profession or for instruction in higher education.

This concentration is designed to assist the graduate candidate in developing advanced professional competencies in conducting, while pursuing specialized studies in the areas of choral, orchestral, and wind band. In addition to the Music M.M. requirements, an entrance audition is required.

Prospective conducting applicants should have had at least two years of experience in high school teaching or equivalent experience before applying for graduate studies. A personal audition is required.

Conducting applicants should write to the appropriate director for specific information concerning audition and interview procedures.

DEGREE REQUIREMENTS — 30-31 CREDITS**Required Concentration Credits — 26 hours**

MUS 511	Wind Band Literature and Techniques	2
MUS 512	Symphonic Repertoire	2
MUS 550	Score Reading and Analysis	1
MUS 551	Individual Instruction in Conducting	1
MUS 558	Choral Literature and Techniques	2
MUS 600	Introduction to Musical Scholarship	2
MUS 693	Practicum in Music	1-4
	Individual Instruction in Major Instrument or Voice	4
	Major Performing Organization	2

MUS 551: Take 4 hours

Music History and Theory — 6 hours

Courses will be selected by advisement based upon candidates' needs identified through advisory examination.

Elective Concentration Credits — 4-5 hours

MUS 564	Problems in Teaching Voice	2
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MUS 580	String Techniques for the Conductor	2
MUS 650	Seminar: Choral Music	2
MUS 653	Vocal Literature and Styles	3
MUS 657	Instrumental Literature and Styles	3
MUS 658	Brass Pedagogy	3
MUS 661	Percussion Pedagogy	2
MUS 662	Woodwind Pedagogy	2
MUS 685	Performance in Opera Theatre	1

Program Note

A recorded public recital and correlative paper are required. The performance will be conducted by the candidate and evaluated by the major advisor and relevant faculty. It is the student's responsibility to file a printed program and audio recording of the performance with the School of Music Office and the Music Library.

MUSIC M.M. – INSTRUMENTAL PERFORMANCE CONCENTRATION

PROGRAM OVERVIEW

College of Performing and Visual Arts

General Master's Degree Admission Requirements (p. 16)

Interim Director: Melissa Malde, D.M.A.

Interim Associate Director: Carissa Reddick, Ph.D.

Location: Frasier Hall 108

Telephone: 970.351.2993

Website: arts.unco.edu/music/

Graduate Coordinator: Carissa Reddick, Ph.D.

Each new student entering a graduate program in music at the University of Northern Colorado is required to take graduate advisory examinations in Music History and writing skills, and placement examinations in Music Theory and Aural Skills, and the student's major area. Graduate students who do not pass the theory placement exam must enroll in MUS 401. Graduate students who do not pass the aural skills placement exam must enroll in MUS 402. All students must either pass the theory and aural skills exam OR pass MUS 401 and/or MUS 402 with a grade of C or better before they can enroll in graduate-level theory classes or graduate from their programs.

The degree program seeks to assist graduate candidates in developing advanced professional competencies in performance, scholarly abilities, research, and pedagogical techniques for use in the profession or for instruction in higher education.

Residency, when stated in the music section of this Catalog, is interpreted to mean 9 credit hours or more per semester.

Performance concentrations are available in flute, oboe, clarinet, bassoon, saxophone, horn, trumpet, tenor trombone, bass trombone, euphonium, tuba, percussion, violin, viola, violoncello, string bass, harp, keyboard, voice, and guitar.

DEGREE REQUIREMENTS — 30-31 CREDITS

Required Concentration Credits — 22-23 hours

Studies in the Major Area (14 hours)

MUS 600	Introduction to Musical Scholarship	2
MUS 694	Master's Recital Individual Instruction	2 8
	Major Performing Organization	2

String, Woodwind, Brass, and Percussion performers will participate in a major ensemble each semester in residence.

Keyboard majors will enroll in ensemble by advisement.

Other Studies in Music (8-9 hours)

Music History, Music Theory	6
Pedagogy	2-3

NOTES: Other Studies in Music will be selected by advisement based upon candidate's needs identified through advisory examination.

In addition to the Music, M.M. requirements above, brass, woodwind, string, and percussion majors will take a written examination on instrumental techniques in their instrument area.

Elective Credits — 8 hours

Electives will be selected by advisement based upon candidate's needs identified through examination.

Program Notes

Master of Music candidates in performance must present a public recital. It is the student's responsibility to file a printed program and tape recording of the performance with the School of Music Office and the Music Library.

A correlative paper may be required in conjunction with the recital at the discretion of the individual school.

Performance concentrations are available in flute, oboe, clarinet, bassoon, saxophone, horn, trumpet, tenor trombone, bass trombone, euphonium, tuba, percussion, violin, viola, violoncello, string bass, harp, keyboard, voice, and guitar.

MUSIC M.M. – JAZZ STUDIES CONCENTRATION

PROGRAM OVERVIEW

College of Performing and Visual Arts

General Master's Degree Admission Requirements (p. 16)

Program Director: Professor Dana Landry, Director of Jazz Studies

Telephone: 970.351.2253

Website: jazz.unco.edu

The MM in Jazz Studies is open to instrumentalists and vocalists, and provides opportunities to further develop professional-level skills in jazz performance, composition, and/or research.

Entering students must take the placement examinations in Music Theory and Aural Skills.

Students must either pass the theory and aural skills exam OR pass MUS 401 and/or MUS 402 with a grade of C or better before they can enroll in graduate-level theory classes. Theory classes are not required for graduation.

Residency, when stated in the music section of this Catalog, is interpreted to mean 9 credit hours or more per semester.

DEGREE REQUIREMENTS — 32 CREDITS

Required Concentration Credits — 21 credits

MUS 542	Jazz Pedagogy	2
MUS 544	Seminar in Jazz History	3
MUS 547	Advanced Arranging	2
MUS 585	Advanced Jazz Improvisation or	2
MUS 555	Seminar in Jazz Composition	2
MUS 600	Introduction to Musical Scholarship	2
MUS 625	Jazz Ensembles or	1
MUS 624	Vocal Jazz Ensembles	1
MUS 636	Individual Instruction in Jazz or	2
MUS 637	Individual Instruction in Jazz Composition	2

MUS 624 or MUS 625 Take 2 hours

MUS 636 or MUS 637: Take 8 hours

Other Studies in Music — 6 credits

Other Studies in Music may include coursework in areas such as recording and studio technique, music business,

theory, analysis, musicology and ethnomusicology, and Western European music history and literature, and others, and will be selected in consultation with Jazz Studies faculty advisors.

Elective Concentration Credits — 5 credits

Students will select 5 credits of MUS-prefix coursework in consultation with Jazz Studies faculty advisors.

Program Notes

Master of Music candidates in jazz studies must present a public recital. This recital should be recorded, and the program and recording should be filed with the Music Library. A correlative paper in conjunction with the recital may be required by some instructors at their discretion.

All graduate students enrolling in the MM Jazz Studies program are expected to attend UNC recitals, concerts, and productions on a regular basis.

Residency, when stated in the music section of this catalog, is interpreted to mean 9 credit hours or more per semester.

Master of Music candidates will take a written comprehensive examination in their final semester.

MUSIC M.M. – MUSIC EDUCATION CONCENTRATION

PROGRAM OVERVIEW

College of Performing and Visual Arts

General Master's Degree Admission Requirements (p. 16)

Interim Director: Melissa Malde, D.M.A.

Interim Associate Director: Carissa Reddick, Ph.D.

Location: Frasier Hall 108

Telephone: 970.351.2993

Website: arts.unco.edu/music/

Graduate Coordinator: Carissa Reddick, Ph.D.

Each new student entering a graduate program in music at the University of Northern Colorado is required to take graduate advisory examinations in Music History and writing skills, and placement examinations in Music Theory and Aural Skills, and the student's major area. For students entering the Music Education degree, the major area will be Music Education. Graduate students who do not pass the theory placement exam must enroll in MUS 401. Graduate students who do not pass the aural skills placement exam must enroll in MUS 402. All students must either pass the theory and aural skills exam OR pass MUS 401 and/or MUS 402 with a grade of C or better before they can enroll in graduate-level theory classes or graduate from their programs.

The degree program seeks to assist graduate candidates in developing advanced professional competencies in performance, scholarly abilities, research, and pedagogical techniques for use in the profession or for instruction in higher education.

Residency, when stated in the music section of this Catalog, is interpreted to mean 9 credit hours or more per semester.

The Master of Music (Music Education Concentration) degree program is designed to develop and enrich professional understandings, skills, and musical/pedagogical competencies in the field of music education.

Incoming students must meet admission requirements of the Graduate School. Candidates must have completed an undergraduate degree in music or music education. Other candidates may be accepted upon petition to the Music Education Program.

Prospective music education graduate students, in addition to following current Graduate School and School of Music application procedures, should submit the following directly to the School of Music director in order to be considered for admission to the UNC Music Education Graduate Program:

- One 30-45 minute video or DVD that is representative of the applicant's teaching abilities. Applicants should include a 10-15 minute performance segment that is representative of their performing ability on their primary instrument or voice. Applicants should select two pieces of contrasting style for the performance segment.
- Three letters of recommendation addressing teaching abilities, potential for success in graduate studies, musicianship, and collegiality.

DEGREE REQUIREMENTS — 30-36 CREDITS

Required Concentration Credits — 12 hours

Studies in the Major Area (9 Credit Hours)

MUS 519	Foundations of Music Education	3
MUS 533	Curriculum Trends in Music Education	3
MUS 610	Research in Music Education	3

Studies in Professional Education (3 Credit Hours)

Selected from the following content areas such as: Psychology of Music Teaching and Learning, Multicultural Education, Educational Psychology, Educational Foundations or Special Education.

Credits in Music Studies — 10-16 Credit Hours

To be selected in consultation with program advisor.

Elective Credits in Music and other areas — 8 Credit Hours

Courses should be based upon the candidate's specialized teaching area and professional goals.

Thesis option:

MUS 699: Take 6 credits.

Program Notes

Candidates will be asked to take an advisory examination on topics related to music education.

The School of Music will consider examinations, scholarly papers and musical performance in all areas of study to assess student progress throughout the program.

Each master's degree student must pass a written comprehensive examination or otherwise show competency in the discipline by successfully completing a specified equivalent that has been approved by the Graduate Council (thesis or project in lieu of comprehensive examinations). Defense of a project or thesis in lieu of comprehensive examinations is equivalent to administering the comprehensive examination.

MUSIC M.M. – MUSIC HISTORY AND LITERATURE CONCENTRATION

PROGRAM OVERVIEW

College of Performing and Visual Arts

General Master's Degree Admission Requirements (p. 16)

Interim Director: Melissa Malde, D.M.A.

Interim Associate Director: Carissa Reddick, Ph.D.

Location: Frasier Hall 108

Telephone: 970.351.2993

Website: arts.unco.edu/music/

Graduate Coordinator: Carissa Reddick, Ph.D.

Each new student entering a graduate program in music at the University of Northern Colorado is required to take graduate advisory examinations in Music History and writing skills, and placement examinations in Music Theory and Aural Skills, and the student's major area. For students entering the Music Education degree, the major area will be Music Education. Graduate students who do not pass the theory placement exam must enroll in MUS 401. Graduate students who do not pass the aural skills placement exam must enroll in MUS 402. All students must either pass the theory and aural skills exam OR pass MUS 401 and/or MUS 402 with a grade of C or better before they can enroll in graduate-level theory classes or graduate from their programs.

The degree program seeks to assist graduate candidates in developing advanced professional competencies in performance, scholarly abilities, research, and pedagogical techniques for use in the profession or for instruction in higher education.

Residency, when stated in the music section of this Catalog, is interpreted to mean 9 credit hours or more per semester.

Students entering this area of concentration must have the equivalent of an undergraduate music major as outlined in this Catalog. Students will be expected to demonstrate translational competency in German, French, or Latin as a prerequisite to candidacy.

DEGREE REQUIREMENTS — 30 CREDITS

Required Concentration Credits — 27 hours

MUS 600	Introduction to Musical Scholarship	2
MUS 649	Music History Pedagogy	3
MUS 699	Thesis	1-6
	Music History	9
	Music Theory Courses	3
	Major Performing Organization and/or Individual Instruction	4

Elective Credits — 3 hours

Electives will be selected by advisement, based upon candidate's needs identified through examination.

Program Notes

Music Theory and Music History courses are selected by advisement based on the candidate's area of focus and upon the candidate's needs identified through the advisory examination.

Students who are able to demonstrate competency in any required course may substitute an elective chosen in consultation with the advisor.

MUSIC M.M. – MUSIC COMPOSITION CONCENTRATION

PROGRAM OVERVIEW

College of Performing and Visual Arts

General Master's Degree Admission Requirements (p. 16)

Interim Director: Melissa Malde, D.M.A.

Interim Associate Director: Carissa Reddick, Ph.D.

Location: Frasier Hall 108

Telephone: 970.351.2993

Website: arts.unco.edu/music/

Graduate Coordinator: Carissa Reddick, Ph.D.

Each new student entering a graduate program in music at the University of Northern Colorado is required to take graduate advisory examinations in Music History and writing skills, and placement examinations in Music Theory and Aural Skills, and the student's major area. For students entering the Music Education degree, the major area will be Music Education. Graduate students who do not pass the theory placement exam must enroll in MUS 401. Graduate students who do not pass the aural skills placement exam must enroll in MUS 402. All students must either pass the theory and aural skills exam OR pass MUS 401 and/or MUS 402 with a grade of C or better before they can enroll in graduate-level theory classes or graduate from their programs.

The degree program seeks to assist graduate candidates in developing advanced professional competencies in performance, scholarly abilities, research, and pedagogical techniques for use in the profession or for instruction in higher education.

Residency, when stated in the music section of this Catalog, is interpreted to mean 9 credit hours or more per semester.

Proficiency in diction and translation of two standard foreign languages (selected from French, German and Italian) will be examined upon entry. Candidates with deficiencies will meet with their major advisor and other appropriate faculty to determine the best way to remedy those deficiencies.

DEGREE REQUIREMENTS — 33 CREDITS

Required Concentration Credits — 33 hours

MUS 509	Electronic Music	3
MUS 600	Introduction to Musical Scholarship	2
MUS 603	Analytical Studies in Music	3
MUS 677	Individual Instruction in Composition	2
MUS 699	Thesis	1-6
	Music Performing Organization and/or Individual Performance	2
	Music History	6

MUS 677: Take 8 credits

MUS 699: Take 6 credits (or original composition)

Select one of the following courses: (3 hours)

MUS 651	Seminar in Music History: Debussy to 1945	3
MUS 652	Seminar in Music History: 1945 to the Present	3

Program Notes

Studies in Music History will be selected by advisement based upon candidate's needs identified through advisory examination.

Note: MUS 502 and MUS 503 may be required if advisory examinations indicate that these courses will significantly increase the strength of Master of Music candidates in Theory and Composition.

Students who are able to prove their competency in any of the required courses listed above may substitute electives chosen in consultation with the advisor.

Master of Music candidates will present a recital of their compositions written as part of their degree program.

In addition to the Music, M.M. requirements above, Theory and Composition candidates must submit examples of works composed, supported if possible by recordings.

This concentration requires that the student has completed a Bachelor's degree in music.

MUSIC M.M. – MUSIC THEORY CONCENTRATION

PROGRAM OVERVIEW

College of Performing and Visual Arts

General Master's Degree Admission Requirements (p. 16)

Interim Director: Melissa Malde, D.M.A.

Interim Associate Director: Carissa Reddick, Ph.D.

Location: Frasier Hall 108

Telephone: 970.351.2993

Website: arts.unco.edu/music/

Graduate Coordinator: Carissa Reddick, Ph.D.

Each new student entering a graduate program in music at the University of Northern Colorado is required to take graduate advisory examinations in Music History and writing skills, and placement examinations in Music Theory and Aural Skills, and the student's major area. For students entering the Music Education degree, the major area will be Music Education. Graduate students who do not pass the theory placement exam must enroll in MUS 401. Graduate students who do not pass the aural skills placement exam must enroll in MUS 402. All students must either pass the theory and aural skills exam OR pass MUS 401 and/or MUS 402 with a grade of C or better before they can enroll in graduate-level theory classes or graduate from their programs.

The degree program seeks to assist graduate candidates in developing advanced professional competencies in performance, scholarly abilities, research, and pedagogical

techniques for use in the profession or for instruction in higher education.

Residency, when stated in the music section of this Catalog, is interpreted to mean 9 credit hours or more per semester.

Students must maintain a GPA of 3.2 in courses that are part of their degree plan.

Language Requirement. Students will be expected to demonstrate translational competency in German or French, or a different language if relevant to their course of study, before taking their comprehensive exams.

Keyboard Proficiency. Students must demonstrate competency in the following keyboard skills before taking their comprehensive exams:

- realize a figured bass and Roman numeral progression with acceptable voice-leading in keyboard style
- sight-read a Bach chorale harmonization
- perform a short, prepared, intermediate-level piece, such as a two-part Bach Invention, Beethoven Bagatelle, Schubert German Dance, etc.

DEGREE REQUIREMENTS — 30 CREDITS

Required Concentration Credits - 27 hours

MUS 504	Music Theory Pedagogy	3
MUS 595	Music Theory Seminar	3
MUS 600	Introduction to Musical Scholarship	2
MUS 603	Analytical Studies in Music	3
MUS 604	Linear Analysis	3
MUS 699	Thesis	1-6
	Music History Course	3
	Music Performing Organization and/or Individual Performance	4

MUS 595: Seminar in Music Theory may be repeated for credit as long as the content differs.

MUS 699: Take 6 credits

Elective Credits - 3 hours

Electives will be selected by advisement, based upon candidate's needs identified through examination. Additional courses in music theory, history, or language are recommended.

NOTES: Students who are able to demonstrate competency in any required course may substitute an elective chosen in consultation with the advisor.

MUSIC M.M. – VOCAL PERFORMANCE CONCENTRATION

PROGRAM OVERVIEW

College of Performing and Visual Arts

General Master's Degree Admission Requirements (p. 16)

Interim Director: Melissa Malde, D.M.A.

Interim Associate Director: Carissa Reddick, Ph.D.

Location: Frasier Hall 108

Telephone: 970.351.2993

Website: arts.unco.edu/music/

Graduate Coordinator: Carissa Reddick, Ph.D.

Each new student entering a graduate program in music at the University of Northern Colorado is required to take graduate advisory examinations in Music History and writing skills, and placement examinations in Music Theory and Aural Skills, and the student's major area. For students entering the Music Education degree, the major area will be Music Education. Graduate students who do not pass the theory placement exam must enroll in MUS 401. Graduate students who do not pass the aural skills placement exam must enroll in MUS 402. All students must either pass the theory and aural skills exam OR pass MUS 401 and/or MUS 402 with a grade of C or better before they can enroll in graduate-level theory classes or graduate from their programs.

The degree program seeks to assist graduate candidates in developing advanced professional competencies in performance, scholarly abilities, research, and pedagogical techniques for use in the profession or for instruction in higher education.

Residency, when stated in the music section of this Catalog, is interpreted to mean 9 credit hours or more per semester.

Vocal Performance students must perform an entrance audition that represents their language ability. Students are required to prepare four contrasting selections in four different languages. One selection must be in English, one must be an aria, one must be an art song, and one must have been composed after 1950.

DEGREE REQUIREMENTS — 36 CREDITS

Required Concentration Credits — 30 hours

Take all of the following (16 hours)

MUS 559	Opera History and Literature	2
MUS 600	Introduction to Musical Scholarship	2
MUS 694	Master's Recital	2
	Individual Instruction	8
	Major Performing Organization	2

Select one of the following courses (2 hours)

MUS 510	Vocal Pedagogy	2
MUS 564	Problems in Teaching Voice	2

Select two of the following courses (4 hours)

MUS 536	German Art Song	2
MUS 538	French/Italian Art Song	2
MUS 539	British/American Art Song	2

Select two credits from the following (2 hours)

MUS 534	Acting for Singers	2
MUS 685	Performance in Opera Theatre	1
MUS 686	Scene Studies in Opera	1

Other Studies in Music (6 hours)

	Music History, Music Theory	6
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Other Studies in Music will be selected by advisement based upon candidate's needs identified through advisory examination.

Elective Credits — 6 hours

To be chosen from the following courses:

MUS 536	German Art Song	2
MUS 538	French/Italian Art Song	2
MUS 539	British/American Art Song	2
MUS 560	Opera Directing Seminar	1-3
MUS 561	Vocal Coaching for Singers	1
MUS 564	Problems in Teaching Voice	2
MUS 605	English Diction	1
MUS 606	German Diction	1
MUS 607	French Diction	1
MUS 608	Italian Diction	1
MUS 628	UNC Early Music Ensemble	1
MUS 656	UNC European Summer Opera Program	1-6
MUS 666	Chamber Choir	1
MUS 680	Mixed Concert Choir	1
MUS 681	Women's Glee Club	1
MUS 684	Men's Glee Club	1
MUS 685	Performance in Opera Theatre	1
MUS 686	Scene Studies in Opera	1

Program Notes

In order to graduate, Master of Music students in the area of Vocal Performance must demonstrate diction mastery (spoken and International Phonetic Alphabet) in German, French, Italian, and English.

Master of Music candidates in voice must present a public recital. It is the student's responsibility to file a printed program and recording of the performance with the School of Music Office and the Music Library.

A correlative paper may be required in conjunction with the recital at the discretion of the individual area.

NURSING M.S.N. – FAMILY NURSE PRACTITIONER (FNP) CONCENTRATION

PROGRAM OVERVIEW

College of Natural and Health Sciences

This program is not currently accepting applications for admission.

General Master's Degree Admission Requirements (p. 16)

Director: Melissa Henry, Ph.D.

Location: Gunter 3080

Telephone: 970.351.2293

Fax: 970.351.1707

Website: www.unco.edu/nhs/nursing/

FNP graduates are prepared for advanced clinical practice with the expertise to function in an autonomous and collaborative role as a Family Nurse Practitioner (FNP) who provides primary care to families in a variety of settings.

Graduates are qualified to apply for national certification through the American Nurses Credentialing Center or American Academy of Nurse Practitioners and to be licensed as an Advanced Practice Registered Nurse (APRN) by the State Board of Nursing with all the rights and privileges associated with this title.

Part-time study only. Health policies, OSHA requirements, CPR, ACLS certification, and criminal background check and drug screen are required. Completion of a master's thesis is an option.

DEGREE REQUIREMENTS — 58 CREDITS

Required Major Core Credits — 12 hours

NURS 507	Policy, Leadership and Nursing Issues	3
NURS 601	Theoretical Foundations for Advanced Nursing	3
NURS 606	Research and Evidence-based Practice in Nursing	3
NURS 608	Advanced Health Care Concepts	3

NP Concentration — 18 hours

NURS 612	Advanced Pharmacology	4
NURS 613	Advanced Health Assessment	4
NURS 614	Advanced Pathophysiology	3
NURS 624	Health Promotion and Disease Prevention in Advanced Practice of Nursing	3
NURS 690	Advanced Professional Role	2
NURS 697	Scholarship of Advanced Nursing Practice	2

FNP Concentration — 28 hours

NURS 654	Acute Care of Adults	3
NURS 656	Care of Chronic Illness in Adults	3

NURS 674	Care of Women and Pediatric Populations	3
NURS 675	FNP Clinical I	4
NURS 676	FNP Advanced Clinical Topics	2
NURS 677	FNP Clinical II	4
NURS 689	FNP Clinical Synthesis	1-6

Note: NURS 689: Take 11 hours

Program Notes

Successful completion of a comprehensive exam is required to complete the Master of Science in Nursing program. Completion of a master's thesis is an option: NURS 699 Master's Thesis (6).

Prerequisites: Undergraduate Research, Undergraduate Physical Assessment Course

NURSING M.S.N. – LEADERSHIP, QUALITY AND SAFETY CONCENTRATION

PROGRAM OVERVIEW

College of Natural and Health Sciences

This program is not currently accepting applications for admission.

General Master's Degree Admission Requirements (p. 16)

Director: Melissa Henry, Ph.D.

Location: Gunter 3080

Telephone: 970.351.2293

Fax: 970.351.1707

Website: www.unco.edu/nhs/nursing/

The Master of Science in Nursing with a concentration in leadership, quality, and safety prepares the post-baccalaureate nursing student for a leadership role in the assessment of client risk and management of outcomes, promotion of client and family advocacy and provision of client, family and staff education.

This program prepares the graduate to function as a leader in collaborative, interdisciplinary evidence-based practice. The graduate of the Master of Science in Nursing degree guides complex patient care, providing care coordination for groups of clients across the life span and across the continuum of care. This program is not a preparation for an advanced practice role as defined by the American Association of Colleges of Nursing.

DEGREE REQUIREMENTS — 30 CREDITS

Required Major Core Credits — 9 hours

NURS 507	Policy, Leadership and Nursing Issues	3
NURS 601	Theoretical Foundations for Advanced Nursing	3

NURS 606	Research and Evidence-based Practice in Nursing	3
Non-Thesis Concentration — 21 hours		
NURS 616	Leadership in the Measurement of Clinical Outcomes for Advanced Nursing Practice	3
NURS 621	Leadership in the Management of Clinical Outcomes to Improve Quality and Safety of Care	4
NURS 626	Leadership in the Management of Care Environment to Improve Quality and Safety of Care	4
NURS 631	Teaching Strategies for Practice and Academic Settings to Improve the Quality and Safety of Care	3
NURS 646	Integrative Clinical Concepts	4
NURS 668	Population Centered Health Care	3

Prerequisites: Baccalaureate Degree in Nursing

PHYSICAL EDUCATION AND PHYSICAL ACTIVITY LEADERSHIP M.A.T.

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Master’s Degree Admission Requirements (p. 16)

Location: Gunter 2590
Telephone: 970.351.2755
Fax: 970.351.1489

Website: www.unco.edu/nhs/sport-exercise-science/

The MAT in Physical Education and Physical Activity Leadership is designed for school professionals who wish to develop advanced skills and strategies in physical education and school-wide physical activity promotion. Students will be prepared to assume a leadership role in coordinating and championing comprehensive school physical activity programs.

DEGREE REQUIREMENTS — 30 CREDITS

Course Requirements

SES 603	Professional Development Seminar	3
SES 604	Teacher and Coach Action Research	3
SES 612	Assessment in Sport Pedagogy	3
SES 614	Analysis of Teaching in Physical Education	3
SES 643	Instructional Strategies for K-12 Physical Education	3
SES 646	Comprehensive School Physical Activity Programming	3
SES 647	School Physical Activity Policy, Advocacy, and Leadership	3

SES 648	Theories of Health Behavior	3
SES 649	School-Based Nutrition & Wellness	3
SES 680	Perspectives in Sport Pedagogy	3

Comprehensive Examination

All students must pass a non-sequestered written Comprehensive Examination. The examination consists of essential course content and a final report of results from a school-based physical activity initiative.

PUBLIC HEALTH M.P.H. – COMMUNITY HEALTH EDUCATION CONCENTRATION

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Master’s Degree Admission Requirements (p. 16)

Campus Director: Teresa Sharp, Ph.D.

Location: Gunter Hall 1300
Telephone: 970.351.2997
Fax: 970.351.1255

Website: unco.edu/nhs/colorado-school-public-health/

The Master of Public Health (MPH) is the primary professional degree in the field of public health, training students for a variety of public health areas. The program provides a broad, multidisciplinary focus on the factors that influence population health from behavioral risk to environmental exposures to socioeconomic and health policy. Students acquire knowledge, skills and practical experiences that prepare them for professional activities, including: epidemiological and health services research; community needs assessment; environmental and occupational health; health policy; health promotion; and administration of public health programs. Graduates find work in research settings, health care settings, industry, government health agencies, community-based organizations and foundations, and global health. Physicians, veterinarians, nurses and other health care professionals also comprise a portion of the MPH student body, acquiring graduate training in public health to enhance their understanding of the preventive measures and underlying causes of disease.

The future of public health, a field dedicated to improving the health of populations, depends on the collaboration of educators, researchers, policy makers, communities and citizens. The Colorado School of Public Health, collaboratively formed by the University of Colorado Denver, Colorado State University and the University of Northern Colorado, is the first and only school of public health in the Rocky Mountain region. Combining transferable courses, faculty and resources, the collaborative school allows students to access

specializations, research and service centers located at the three universities.

The MPH with concentrations in Community Health Education and Global Health-Community Health Education offered at UNC aims to prepare students to work with diverse populations and work within communities to prevent disease and develop positive, healthy lifestyles. Because of the great latitude within the field of community health education, the program allows students to tailor their program to emphasize special interests in public health. The Community Health Education and Global Health-Community Health Education concentrations are designed to prepare students to serve as administrators or practitioners in a variety of health education settings. The curriculum is based upon the Council of Education for Public Health's accreditation guidelines.

Students who seek public health training have varied backgrounds and levels of experience, though many students have a bachelor's degree in a biological or sociological science. In addition, a significant number of students are currently employed while seeking professional training and advancement. Approximately 30-40% of students have a prior graduate or professional degree, including fields such as nursing, medicine, veterinary medicine, law, social work, and various laboratory sciences.

Students in the Community Health Education track are prepared to work in population based programs-helping prevent disease and developing positive health lifestyles.

CU Denver, on behalf of the School, will confer the professional degrees (MPH, DrPH) with each Party's signature and seal shown on the diploma. Final recommendations about students' eligibility for graduation will be made by the Dean of the School or designee, who will forward the recommendations as specified in the policies of the CU Board of Regents, CSU Board of Governors and UNC Board of Trustees.

Registration: In those terms when students are enrolled in courses at the University of Colorado Denver and/or Colorado State University, with no registration at the University of Northern Colorado, a registration placeholder, MPH 599, will be added to the student record. MPH 599 is a course under the authorization of the University of Northern Colorado as part of the Master of Public Health exchange program.

DEGREE REQUIREMENTS — 42 CREDITS

Required Major Credits — 33 hours

CH 509	Behavior Change Theories	3
CH 520	Foundations in Public Health	2
CH 530	Strategies for Community Health Promotion	3
CH 535	Effective Community Health Engagement	3

CH 550	Environmental Health	3
CH 610	Program Planning and Evaluation	3
CH 612	Statistical Applications in Public Health	3
CH 620	Epidemiology	3
CH 635	Policy, Advocacy, Leadership & Management in Community Health	3
CH 686	MPH Masters Project	2
CH 693	MPH Practicum	2

CH 520: This course is offered through CSPH as PUBH 6600.

Select one of the following courses:

CH 615	Methods in Public Health Research and Evaluation	3
SRM 600	Introduction to Graduate Research	3

Required Elective Credits — 9 hours

There are numerous elective courses available through UNC's Community Health Program, as well as through the Colorado School of Public Health. The elective suggestions provided below are for students who may want to focus their education in a specialization area. All elective credits are selected with consent of advisor.

Electives for Specialization Area of Coordinated School Health:

CH 525	Contemporary Issues in School Health	3
EDF 500	Conceptions of Schooling	3

Program Notes

Students must complete 150 practicum field hours and successfully complete a capstone experience (formal report and public presentation) which incorporates core competencies with the practicum experience. Students may also pursue a thesis option in lieu of 6 elective hours upon consultation and approval by their faculty advisor. Completion and presentation of a capstone project satisfies the completion of the comprehensive exam.

CU Denver, on behalf of the School, will confer the professional degrees (MPH, DrPH) with each Party's signature and seal shown on the diploma. Final recommendations about students' eligibility for graduation will be made by the Dean of the School or designee, who will forward the recommendations as specified in the policies of the CU Board of Regents, CSU Board of Governors and UNC Board of Trustees.

ACCELERATED (4+1) MASTER OF PUBLIC HEALTH

This degree offers a combined BS/MPH 4+1 degree option where students can complete their BS in Health Sciences and their Master of Public Health (MPH) in Community Health Education degrees in five years. This is possible by taking some of the MPH graduate courses as an

undergraduate, and having those courses apply to both degrees.

Accelerated Master of Public Health Admissions

Before entering into the MPH, students will apply for the MPH program in Community Health Education or Global Health/Community Health Education through the SOPHAS Express online platform. Students apply in Fall of Year 4. Requirements for applying include: undergraduate cumulative GPA >3.0, three (3) letters of recommendation (at least two from faculty), personal statement; some public health related experience (paid, volunteer, or internship) is beneficial.

Accelerated Master of Public Health Timeline

In years three and four of the program, students in the 4+1 MPH Program must choose STAT 451 and 9 of the 12 CH credits listed below to complete the BS and MS in 5 years. Only students who have been accepted into the 4+1 program are eligible to apply these courses toward the undergraduate degree.

Outline for degree completion of the Accelerated B.S. and MPH:

Fall Semester, Senior year

Apply for admission to the MPH program

STAT 451 Intermediate Applied Statistics (3 credits)
One 500-level graduate MPH course (CH 509, CH 530, CH 535, or CH 550) (3 credits, double-counted)

Spring Semester, Senior year

Two 500-level graduate MPH courses (CH 509, CH 530, CH 535, or CH 550) (6 credits, double-counted)

Summer after Senior year

CH 520 Foundations in Public Health
One or two MPH Electives (3-6 credits)

Notes:

CH 520: This course is offered through CSPH as PUBH 6600

Fall Semester, fifth year

CH 612 Statistical Applications in Public Health (3 credits)
CH 615 Methods in Public Health Research and Evaluation (3 credits)
CH 635 Policy, Advocacy, Leadership & Management in Community Health (3 credits)
One 500-level graduate MPH course (CH 509, CH 530, CH 535, or CH 550) (3 credits)

Spring Semester, fifth year

CH 610 Program Planning and Evaluation (3 credits)
CH 620 Epidemiology (3 credits)
One or two MPH Electives (3-6 credits)

Summer, fifth year

CH 686 MPH Masters Project (2 credits)
CH 693 MPH Practicum (2 credits)

REHABILITATION COUNSELING M.A.

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Master's Degree Admission Requirements (p. 16)

Location: Gunter 1250

Telephone: 970.351.2403

Fax: 970.351.1255

Website: www.unco.edu/nhs/rehabilitation-counseling-sciences/

The mission of the Rehabilitation program is to educate Master's students in the area of rehabilitation counseling to assist and support individuals with disabilities or chronic illnesses to achieve maximum potential, meaningful employment, and full community integration. In doing so, the program focuses on encouraging students to pursue a life-long commitment to learning, critical thinking skills, creative problem solving, and an appreciation of the skills and abilities of the individuals with disabilities.

The Rehabilitation Counseling M.A. program is accredited by the Council for Accreditation of Counseling & Related Educational Programs (CACREP).

All students who graduate will be eligible to earn the Certified Rehabilitation Counselor (CRC) designation and will be prepared to enter the professional Rehabilitation Counseling field in public and/or private rehabilitation programs.

DEGREE REQUIREMENTS — 60 CREDITS

Required Major Credits — 54 hours

APCE 623	Understanding and Counseling Diverse Populations	3
APCE 657	Legal and Ethical Aspects of Counseling and Psychology	3
PSY 530	Life Span Developmental Psychology	3
RCS 580	Foundations of Rehabilitation Counseling	3
RCS 581	Assessment of Adults with Disabilities	3
RCS 585	Career Counseling and Placement for People with Disabilities	3
RCS 604	Family, Cultural and Psychological Aspects of Disability	3
RCS 605	Medical Aspects of Disability	3

RCS 610	Interpretation and Evaluation of Behavioral Research	3
RCS 630	Counseling Theories and Techniques in Rehabilitation	3
RCS 631	Group Processes in Rehabilitation	3
RCS 692	Clinical Internship in Rehabilitation	1-18
RCS 694	Supervised Counseling in Rehabilitation	6

RCS 692: Take 15 credits

RCS 692: Must be completed in an approved rehabilitation counseling setting.

Elective Credits — 6 hours

APCE 624	Assessment and Treatment of Substance Abuse	3
EDSE 541	Introduction to Visual Impairments and Deaf-Blindness	3
EDSE 546	Principles of Orientation and Mobility	3
EDSE 548	Medical and Educational Implications of Visual Impairments	3
GERO 665	Research Application and Grant Development	3
RCS 650	Human Resources System	3
APCE 668	Sexuality Counseling	3
APCE 661	Psychological Trauma and Intervention for Individuals, Families and Communities	3
APCE 665	Family Systems	3
CH 530	Strategies for Community Health Promotion	3
CH 535	Effective Community Health Engagement	3
RCS 595	Special Topics in Rehabilitation	1-4
APCE 658	Diagnosis and Treatment Planning	3

NOTES: To complete requirements for rehabilitation counseling, 6 semester hours of electives, approved by the faculty advisor, must be taken.

Program Notes

The required major courses are offered online, during the evenings, and in a weekend workshop format in order to accommodate the academic needs of adult learners

Passing the Certified Rehabilitation Counselor (CRC) national examination is required for successful completion of the Master of Arts degree in Rehabilitation Counseling.

The master's program is fully accredited by the Council for Accreditation of Counseling Related Educational Programs (CACREP) and qualifies students to obtain the Certified Rehabilitation Counselor (CRC) designation.

SCHOOL COUNSELING M.A.

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Master's Degree Admission Requirements (p. 16)

This program is accredited by the Council for Accreditation of Counseling and Related Educational Programs.

The master's degree in School Counseling prepares students for Colorado licensure as a School Counselor. Students are training to meet the needs of students at the elementary, middle, and high school levels.

The prospective student must apply for admission to and be accepted by the program area faculty. Admission to the program requires a GPA of 3.0 or better, on a 4.00 point scale, from the most recent degree earned or current degree in progress. If the applicant's GPA is below 3.0, the Graduate Record Exam (General Test) score must be submitted. It is recommended that the applicant have a total score that meets or exceeds 1000 on the Verbal and Quantitative subtests, or 291 total on the new scoring scale, and a minimum of 3.5 on the Analytical Writing subtest. Attendance at a pre-admission workshop is required for this admission process to be completed. When attendance at the preadmission workshop is an extreme hardship for the applicant, special arrangements are made.

Acceptance is based on consideration of the following criteria:

- Clarity of career goals.
- Intellectual qualities.
- Professional judgment of appropriate personality characteristics as evidenced by a structured interview, interpersonal communication style and personal references.

DEGREE REQUIREMENTS — 63-75 CREDITS

Required Major Credits — 63 hours

APCE 602	Foundations of School Counseling	3
APCE 603	Understanding Children, Adolescents, and Their Systems	3
APCE 605	Group Laboratory Experience	1
APCE 606	Theories and Practices in Group Guidance	3
APCE 607	Theories of Counseling	3
APCE 608	Organization, Administration and Evaluation of School Counseling Programs	3
APCE 612	Practicum in Individual Counseling	5
APCE 614	Internship in School Counseling and Guidance	1-9

APCE 616	Career Theory, Counseling and Assessment	3
APCE 619	Practicum II in Individual Counseling	3
APCE 623	Understanding and Counseling Diverse Populations	3
APCE 624	Assessment and Treatment of Substance Abuse	3
APCE 657	Legal and Ethical Aspects of Counseling and Psychology	3
APCE 660	Psychological Consultation: Theory and Practice	3
APCE 661	Psychological Trauma and Intervention for Individuals, Families and Communities	3
APCE 665	Family Systems	3
APCE 673	Appraisal and Assessment in Counseling	3
PSY 530	Life Span Developmental Psychology	3
SRM 600	Introduction to Graduate Research	3
APCE 658	Diagnosis and Treatment Planning	3

APCE 614: Take 6 hours.

Recommended Electives

APCE 508	Workshop	1-3
APCE 609	Foundations of Play Therapy	3
APCE 617	Play Therapy: Theory and Practicum	3
APCE 668	Sexuality Counseling	3
APCE 785	Advanced Practicum in Community Engagement: Campus Connections	1

Program can be completed with 63 credits but elective credits may be needed to meet certificate and/or certification requirements.

Program Note

Students wishing to obtain Colorado licensure in this area are required to pass proficiency examination(s). Students should contact the Teaching/Special Services Licensing Office for information.

SCIENCE EDUCATION M.A.

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Master’s Degree Admission Requirements (p. 16)

The goal of this program is to enhance the science and pedagogical knowledge of professional science teachers in the K-12 environment.

For the research experience, students will complete a series of Action Research courses and are required to form an

advisory committee with a minimum of three qualified faculty. These courses require research on a current problem in K-12 science education relevant to students' teaching situations. The student will develop goals, review relevant literature and plan and complete an action research project.

A research paper will also be developed with the assistance of the student's advisor and committee.

DEGREE REQUIREMENTS — 30 CREDITS

Required Pedagogical Courses — 12 credits

ECLD 602	Teaching Culturally Linguistically Diverse and Bilingual Learners	3
PSY 681	Learning and Instruction	3
SCED 530	Laboratory, Field, and Studio Safety	1
SCED 678	Science Education Seminar	1-2
SRM 600	Introduction to Graduate Research	3

SCED 678: Take 2 credits

EDSE 509 or PSY 640 may be substituted for ECLD 602 with approval from your advisor.

PSY 500 or PSY 540 may be substituted for PSY 681 with approval from your advisor.

Required Research Credits — 6 credits

Take the following courses:

SCED 578	K-12 Science Inquiry	3
SCED 695	Action Research in Science Education I	1
SCED 696	Action Research in Science Education II	1
SCED 697	Action Research in Science Education III	1

OR take:

BIO 575	K-12 Science Inquiry	3
BIO 697	Graduate Research	1-6

OR take:

ESCI 578	K-12 Science Inquiry	3
ESCI 697	Graduate Research	1-6

BIO 697 and ESCI 697: Take 3 credits

Science Electives — 12 Hours

With input from your advisor, choose 12 credits of discipline content coursework with SCED, BIO, ESCI or other science prefixes.

Program Notes:

Students interested in teaching dual enrollment should take a minimum of 18 credits in a single science discipline (BIO or ESCI)

Students are required to provide an oral presentation of the research to the student's advisor and committee.

SECONDARY PEDAGOGY M.A.T. – LICENSURE: SECONDARY LICENSURE (GRADES 7-12)

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Master's Degree Admission Requirements (p. 16)

Director: Jingzi (Ginny) Huang, Ph.D.

Location: McKee 216

Telephone: 970.351.2908

Website: www.unco.edu/cebs/teacher-education/

The Secondary Pedagogy M.A.T. - Licensure: Secondary Licensure (Grades 7-12) program provides prospective teachers in secondary English/Language Arts, Social Studies, Math, and Science with the requisite knowledge and ability for obtaining licensure in these areas, as well as both the practical skill necessary to achieve success in their future classrooms and the disposition to critical, research-based reflection associated with continuous professional improvement over the course of a career. The program provides in-depth knowledge of data-driven and practitioner-endorsed classroom practices in each content area, the skills necessary to engage in research and reflection upon one's own work, and the habits of mind involved in establishing and maintaining collaborative relationships with colleagues and administrators.

The MAT Secondary Pedagogy program consists of 36 semester hours and a Comprehensive Examination. The Comprehensive Examination will stem from students' work in program classes and field experiences and can take multiple forms, as approved by a student's advisor and evaluated by a faculty committee.

The Secondary Pedagogy M.A.T. can be licensed in the following areas: English/Language Arts, Social Studies, Math, and Science.

PTEP Program Requirements:

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Graduate Application for Initial Admission to PTEP
- Application for Student Teaching

- Successfully pass content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

**Please note: Federal student loans are not currently available to students who are pursuing a CO state license (initial or additional) through UNC's stand-alone, graduate level licensure programs without also being simultaneously enrolled in a Masters or Doctoral degree program.*

DEGREE REQUIREMENTS — 36 CREDITS

Take all of the following courses:

ECLD 523	Academic Language/Literacy Development for Diverse Learners in School Settings	3
EDF 500	Conceptions of Schooling	3
EDF 645	Innovative Practice in Contemporary Education	3
EDF 648	Foundations of Instructional Methods	3
EDF 653	Educational Inquiry Seminar	3
EDF 685	Philosophical Foundations of Education	3
EDFE 550	Practicum in Secondary Schools	2
EDFE 551	Secondary Practicum Seminar	1
EDFE 556	Student Teaching in Secondary Schools	4
EDFE 557	Secondary Student Teaching Seminar	2
EDSE 509	Strategies for Students with Exceptionalities	3
PSY 500	Educational Psychology for Teachers	3
SRM 600	Introduction to Graduate Research	3

SOCIOLOGY M.A.**PROGRAM OVERVIEW****College of Humanities and Social Sciences**

General Master's Degree Admission Requirements (p. 16)

Location: Candelaria 2285B

Email: HSS@unco.edu

Website: unco.edu/hss/sociology

The master's program in Sociology equips students with advanced and highly marketable critical thinking and research skills to approach real-world social issues and enact change. Students gain applied experience relevant to any career path including nonprofit administration, leadership, social services, policy analysis, business, and marketing. The program's Social Research Lab offers students opportunities for paid work on client research projects.

Students are strongly encouraged to review the research areas of the Sociology faculty on our website and contact faculty in whose research they are interested.

Assistantships including stipends and partial tuition waivers are offered on a competitive basis each semester. Graduate application deadline to be considered for fall semester assistantships is March 1st.

DEGREE REQUIREMENTS — 30 CREDITS**Take each of the following**

SOC 539	Seminar in Sociological Practice	3
SOC 552	Applied Social Theory	3
SOC 597	Special Topics in Inequality	3

Take at least one of the following (both recommended)

SOC 562	Social Statistics	3
SOC 563	Qualitative Methods	3

Choose Thesis or Applied option

During students' second semester, they select if they would like to complete the Thesis option or the Applied option. Each option requires 6 credits of either thesis hours or internship hours. The thesis option requires six SOC 699 credit hours to be taken in 3-credit increments. For the thesis option, students will complete a thesis project including oral defense of a formal proposal before a faculty committee, defense of the final draft, and formal review by The Graduate School. The applied option requires six SOC 691 credit hours to be taken in 3-credit increments. Students will collaborate to conduct a research project with an internship site under the supervision of their faculty advisor. The applied option culminates in a Professional Research Report.

Thesis option (6 credits required in 3 credit increments)

SOC 699	Thesis	1-6
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Applied option (6 credits required in 3 credit increments)

SOC 691	Research Internship	1-9
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Elective credits (12 required)

Elective credits may include any 500 or 600 level course in Sociology.

SPECIAL EDUCATION M.A. – DEAF AND HARD OF HEARING CONCENTRATION**PROGRAM OVERVIEW****College of Education and Behavioral Sciences**

General Master's Degree Admission Requirements (p. 16)

Director: Corey Pierce, Ph.D.

Location: McKee 36

Telephone: 970.351.2691

Website: www.unco.edu/cebs/special-education/

The MA degree in Special Education with a Deaf/Hard of Hearing concentration prepares professionals as a special education specialist: deaf/hard of hearing to work with children and youth with hearing losses ages birth-21 and their families in order to help them develop their full potential. Individuals who do not have a current teaching license are required to pass an approved elementary education content examination (e.g., Elementary Education: Multiple Subjects PRAXIS Exam #5001) or another state level elementary education test before being admitted to the Deaf Education Program. The program consists of the required courses and practicum requirements agreed upon by the student and advisor. Also, individuals who are not proficient in sign can enroll in the program and concurrently take sign courses. The Special Education Deaf/Hard of Hearing Specialist is required to pass a sign proficiency examination and an approved Special Education: Deaf/Hard of Hearing (e.g., Special Education: Education of Deaf and Hard of Hearing Students PRAXIS Exam #5272) prior to enrolling in practicum.

DEGREE REQUIREMENTS — 36-43 CREDITS**Required Major Core Credits — 3 hours**

SRM 600	Introduction to Graduate Research	3
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Required Prerequisites — 7 hours

CSD 266	Normal Speech and Language Development	3
CSD 370	Basic Audiology	3

Ability to communicate, with intermediate proficiency in American Sign Language and/or a sign system.

NOTE: Advisor approved transfer credit equivalency may be accepted for the required prerequisite courses.

Required Concentration Credits — 33 hours

EDSE 510	Foundations of Special Education	3
EDSE 511	Content Accessibility for CLD and Students with Identified Needs	3
EDSE 512	Assessment, IEP Development and Instructional Planning	3
EDSE 550	Foundations of Deaf Education	3
EDSE 650	Issues and Trends: Deaf/Hard of Hearing	3
EDSE 651	Collaboration: Deaf/Hard of Hearing	3
EDSE 652	Foundations of Listening and Spoken Language: Deaf/Hard of Hearing	3
EDSE 654	Language: Deaf/Hard of Hearing	3
EDSE 655	Literacy: Deaf/Hard of Hearing	3
EDSE 656	Curriculum and Instruction: Deaf/Hard of Hearing	3
EDSE 657	Practicum: Deaf/Hard of Hearing	3-6

Note: EDSE 657: Take a minimum of 3 credit hours.

Program Notes

Students are required to complete a sign language proficiency test, which will be administered before each student's practicum placement or they must successfully pass ASL 202 prior to enrolling in practicum. Please note that ASL 202 may not be counted for graduate credit.

SPECIAL EDUCATION M.A. – EARLY CHILDHOOD SPECIAL EDUCATION CONCENTRATION

PROGRAM OVERVIEW**College of Education and Behavioral Sciences**

General Master's Degree Admission Requirements (p. 16)

Director: Corey Pierce, Ph.D.

Location: McKee 36

Telephone: 970.351.2691

Website: www.unco.edu/cebs/special-education/

This master's program is designed to prepare teachers who will work with young children from birth to age 8 across the full spectrum of learning needs and abilities. Because it promotes an inclusive approach to early education, the program is appropriate for teachers who will work in Early Childhood Special Education and/or Early Childhood Education settings. Teacher candidates will demonstrate knowledge and skills in parent-professional partnerships, recommended research-based practices, typical and atypical early child development, and approaches to effective assessment and intervention. Students are

required to pass the Early Childhood Special Education PRAXIS exam before enrolling in practicum coursework.

DEGREE REQUIREMENTS — 36 CREDITS**Required Major Core Credits — 3 hours**

SRM 600	Introduction to Graduate Research	3
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Required Concentration Credits — 33 hours

EDSE 510	Foundations of Special Education	3
EDSE 511	Content Accessibility for CLD and Students with Identified Needs	3
EDSE 512	Assessment, IEP Development and Instructional Planning	3
EDSE 530	Family/Professional Partnerships	3
EDSE 531	Assessment and Planning in Early Childhood Special Education	3
EDSE 532	Typical and Atypical Early Child Development: Application to Early Childhood Special Education	3
EDSE 533	Curriculum and Instruction in Early Childhood Special Education	3
EDSE 534	Research, Policy, and Advocacy in Early Childhood Special Education	3
EDSE 537	Practicum in EC/ESCE: Infants and Toddlers	2
EDSE 538	Practicum in EC/ECSE: 3-5 years	2
EDSE 539	Practicum in EC/ECSE: 5-8 years	2
EDSE 616	Scientifically Based Literacy Interventions	3

Elective Courses:

Elective courses may be taken from the Applied Behavior Analysis Certificate Program, the Autism Certificate Program or courses with advisor approval up to 12 credits.

SPECIAL EDUCATION M.A. – GENERALIST CONCENTRATION

PROGRAM OVERVIEW**College of Education and Behavioral Sciences**

General Master's Degree Admission Requirements (p. 16)

The on-campus face-to-face program is not currently accepting applications for admission. The online program is still being offered.

Director: Corey Pierce, Ph.D.

Location: McKee 36

Telephone: 970.351.2691

Website: www.unco.edu/cebs/special-education/

The MA degree in Special Education with Generalist concentration prepares teachers who will work with students who are identified with a variety of disabilities from moderate to severe intensity. The emphasis of the

program content focuses on literacy and mathematics instruction, understanding standards and assessment, behavior, elementary and secondary differentiated instruction, and technology. The Generalist program consists of program specific core and content courses and a final practicum, as delineated by the candidate's program of studies, and a required comprehensive examination. Teachers completing this program will demonstrate the skills needed to provide appropriate academic and behavioral supports and accommodations for students with disabilities. If seeking initial licensure in Colorado, the Special Education Generalist candidate is required to have passed the approved Elementary Education Multiple Subjects PRAXIS exam and the Special Education Core Knowledge and Application PRAXIS exam prior to taking the practicum. If a candidate enters the Master of Arts program in Special Education Generalist without a current teacher licensure, that candidate is required to complete an additional course requirement, EDSE 507.

DEGREE REQUIREMENTS — 30-36 CREDITS

Required Major Core Credits — 3 hours

SRM 600	Introduction to Graduate Research	3
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Required Concentration Credits — 33 hours

EDSE 507	Field-Based Experience	3
EDSE 510	Foundations of Special Education	3
EDSE 511	Content Accessibility for CLD and Students with Identified Needs	3
EDSE 512	Assessment, IEP Development and Instructional Planning	3
EDSE 613	Applied Assessment	3
EDSE 614	Behavioral Interventions	3
EDSE 616	Scientifically Based Literacy Interventions	3
EDSE 617	Mathematics and Content Area Learning for Students with Disabilities	3
EDSE 618	Educating Students with Significant Support Needs	3
EDSE 619	Secondary Services	3
EDSE 693	Practicum in Special Education	3-6

SPECIAL EDUCATION M.A. – GIFTED EDUCATION SPECIALIST ENDORSEMENT

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Master's Degree Admission Requirements (p. 16)

Director: Corey Pierce, Ph.D.

Location: McKee 36

Telephone: 970.351.2691

Website: www.unco.edu/cebs/special-education/

The MA degree in Special Education with a Gifted Education Specialist Endorsement prepares teachers at the elementary and secondary level to work with gifted and talented students in order to help them develop their full potential.

The Special Education Gifted Education Specialist is required to pass the approved PLACE exam prior to licensing. The program consists of the required courses and practicum requirements agreed upon by the student and advisor. If a student enters the Master of Arts program in Special Education: Gifted Education Specialist Endorsement without a current teacher licensure, they are required to complete additional admission requirements and course requirements listed under Professional Teacher Education.

DEGREE REQUIREMENTS — 33 CREDITS

Required Major Core Credits — 3 hours

SRM 600	Introduction to Graduate Research	3
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Concentration Requirements — 30 hours

EDSE 664	Diversity in Gifted Education	3
EDSE 665	Advocacy in Gifted Education	3
EDSE 683	Nature and Needs of Gifted Learners	3
EDSE 684	Assessment and Identification in Gifted Education	3
EDSE 685	Differentiated Curriculum and Instruction for Gifted Learners	3
EDSE 686	Social and Emotional Needs of Gifted Learners	3
EDSE 687	Program Strategies and Services for Gifted Learners	3
EDSE 688	Communication, Collaboration, and Leadership in Gifted Education	3
EDSE 690	Action Research and Reflective Practice in Gifted Education	3
EDSE 691	Practicum in Teaching Gifted Learners	1-12

EDSE 691: Take 3 hours - Number of hours determined by advisor based on candidates' prior background and experiences in gifted education.

Program Note

Successful completion of this program will allow teachers with a Colorado teaching license to add the Gifted Education Specialist Endorsement to their current licenses. Students are required to pass the approved Praxis exam prior to adding the endorsement.

SPECIAL EDUCATION M.A. – INTERVENTION SPECIALIST: ACADEMIC COACHING AND LEADERSHIP CONCENTRATION

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Master's Degree Admission Requirements (p. 16)

Location: McKee 36

Telephone: 970.351.2691

Website: www.unco.edu/cebs/special-education/

The Intervention Specialist: Academic Coaching and Leadership Concentration is a comprehensive program that weaves research and practice while providing current educational professionals with the knowledge and skills that are needed to provide services, supervise, and coach other educators to ultimately foster student growth academically, behaviorally, and socially.

DEGREE REQUIREMENTS — 34-42 CREDITS

Required Concentration Credits — 31-39 credit hours

EDSE 670	Legal and Policy Foundations of Special Education	3
EDSE 672	Leadership in the School Community	3
EDSE 673	Research and Reflective Practice	3
EDSE 675	Issues in Special Education Assessment	3
EDSE 676	Assessment and Interventions for Students with Challenging Behaviors	3
EDSE 677	Transition to Adulthood for Youth with Exceptionalities	3
EDSE 678	Strategies for Students with Autism/Significant Needs	3
EDSE 679	Interventions for Students with Cultural and Linguistic Differences	3
EDSE 696	Practicum in Instructional Coaching	1-9
EED 610	Interventions in Literacy	3
MED 645	Interventions in Mathematics	3

Required Major Core Credits — 3 credit hours

SRM 600	Introduction to Graduate Research	3
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SPECIAL EDUCATION M.A. – VISUAL IMPAIRMENT CONCENTRATION

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Master's Degree Admission Requirements (p. 16)

Director: Corey Pierce, Ph.D.

Location: McKee 36

Telephone: 970.351.2691

Website: www.unco.edu/cebs/special-education/

The MA degree in Special Education with a Visual Impairment Concentration is designed to prepare teachers who will work with students who are visually impaired. The program consists of the required courses and practicum requirements agreed upon by the student and advisor. Students entering the Master of Arts program in Special Education: Visual Impairment without a current teacher licensure are required to complete additional course requirements listed under Professional Teacher Education. Students may complete licensure and degree requirements in a minimum of 42 credits if they desire licensure of education of students with visual impairments only. Students seeking an added endorsement in Orientation and Mobility may complete this 15 credit program in consultation with their program advisor.

See program requirements

Orientation and Mobility (O&M) Endorsement (p. 232)

Comprehensive Examination: In addition to admission to the program and satisfactory completion of all coursework, each student must pass a written comprehensive examination before they are allowed to graduate.

Evaluation. Evaluation of the student's professional potential will be an ongoing process throughout the program. Continuation/exit requirements will be based on multiple criteria such as faculty interview, professional recommendations, recommendations of the advisor or other program faculty, academic ethics, successful completion of the comprehensive examination and potential for teaching handicapped infants and adults. The multiple criteria approach does not assume that each of these factors carry equal weights; any one factor might well outweigh all others.

Licensure. Students who seek Colorado licensure in an area of Special Education or request an institutional recommendation for licensure from UNC must meet Colorado teacher licensure requirements.

Students wishing to obtain Colorado licensure are required to pass proficiency examination(s). Students should contact the School of Special Education in McKee for information.

A master's degree or a school approved licensure program is required before the University of Northern Colorado will recommend the student for endorsement.

Students entering the licensure program must meet the same entrance requirements as the Master's degree students. They must also demonstrate achievement of all program standards through a combination of UNC coursework, prior coursework, or other approved documentation and completion of a licensure examination. However, a minimum of 15 semester hours must be taken at UNC.

DEGREE REQUIREMENTS — 42 CREDITS

Required Major Core Credits — 3 hours

SRM 600	Introduction to Graduate Research	3
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Required Concentration Credits — 39 hours

EDSE 510	Foundations of Special Education	3
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EDSE 511	Content Accessibility for CLD and Students with Identified Needs	3
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EDSE 512	Assessment, IEP Development and Instructional Planning	3
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EDSE 541	Introduction to Visual Impairments and Deaf-Blindness	3
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EDSE 543	Braille Codes and Formats	3
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EDSE 546	Principles of Orientation and Mobility	3
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EDSE 548	Medical and Educational Implications of Visual Impairments	3
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EDSE 549	Assessment of Students with Visual Impairments	3
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EDSE 640	Methods of Teaching Students with Visual Impairment	3
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EDSE 642	Advanced Seminar in Education of Students with Visual Impairments	3
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EDSE 644	Practicum in Education of Students with Visual Impairments K-12	6-12
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EDSE 645	Advanced Braille Codes and Formats	3
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Note: EDSE 644 must be taken for a minimum of 6 credits

SPEECH-LANGUAGE PATHOLOGY M.A. - ONLINE PROGRAM

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Master's Degree Admission Requirements (p. 16)

Location: Gunter 1400

Telephone: 970.351.2734

Fax: 970.351.2974

Website: www.unco.edu/nhs/audiology-speech-language-sciences/

This certifying master's program is fully accredited and provides excellent academic, research, and clinical preparation.

Areas emphasized include:

- The science of communication;
- The nature, prevention, assessment, and management of:
 - developmental articulation disorders
 - language and literacy disorders
 - voice disorders
 - fluency disorders
 - pervasive developmental disorders, including autism
 - dysphagia
 - neurologic disorders including aphasia, apraxia, post head-injury disorders and dementia;
- Augmentative and alternative communication systems;
- Aural rehabilitation.

This program offers extensive supervised clinical experience through the well-equipped UNC Speech-Language Pathology and Audiology Clinic and ancillary clinics in Colorado. This M.A. program is accredited by the Colorado Department of Education (CDE) and by the Council on Academic Accreditation (CAA) of the American Speech-Language-Hearing Association (ASHA). Students who complete this program are eligible to apply for the Certificate of Clinical Competence in Speech-Language Pathology from the American Speech-Language-Hearing Association. Graduates can also qualify for licensure from the Colorado Department of Education. Career opportunities include: positions in schools, hospitals, practice in association with a range of physicians including otolaryngology, neurology, neurosurgery, psychiatry and pediatrics; rehabilitation centers, and private practice.

Communication is what allows us to connect with each other and the world around us. Make a difference in the world through a career that empowers people with communication differences. The Department of Communication Sciences & Disorders at University of Northern Colorado (UNCO) offers several pathways to career opportunities in this exciting field: A Bachelor of Science in Communication Sciences and Disorders, the Speech-Language Pathology Certificate (SLPA) Program; an on-campus Master of Arts in Speech-Language Pathology (SLP) program; an online Master of Arts in Speech-Language Pathology (SLP) program; and Doctor of Audiology (AuD) program.

Our undergraduate program provides students with the opportunity to explore the exciting science behind how we talk, formulate language, speak, hear, and listen. Students will explore a variety of communication disorders including brain injury, stroke, Autism, developmental delays, hearing loss, and more. Through this program, students will learn about how communication disorders are evaluated and treated. Students who graduate from our undergraduate programs go on to pursue meaningful, fulfilling careers in fields such as speech-language pathology, audiology, occupational therapy, behavioral therapy, medicine, public health, counseling, human services, special education, and more.

The Speech-Language Pathology Assistant (SLPA) certificate program equips students pursuing their bachelor's degree, students who have completed their bachelor's degree, and students who have completed equivalent leveling coursework with the knowledge and skills they need to serve students with communication challenges in the public school setting under the supervision of a certified speech-language pathologist (SLP). The employment growth rate for this exciting career pathway is faster than average according to the Bureau of Labor Statistics.

Our graduate degree programs include a Master of Arts in Speech-Language Pathology (SLP) and a Doctor of Audiology (AuD). We offer both an on-campus SLP program and an online SLP program to meet a variety of student needs. Through the SLP degree, students will develop their knowledge and clinical skills to become a practicing speech-language pathologist. Through the AuD degree, students will develop their knowledge and clinical skills to become a practicing audiologist. These clinical degree programs involve a combination of both academic learning as well as hands-on clinical training in a variety of settings, including the on-campus UNCO Speech-Language Pathology & Audiology Clinic and participation in our Community Engaged programs. Both career paths are forecasted to have an excellent outlook for job opportunities and career growth. Both career paths rank consistently high in job satisfaction. Our students who graduate from these programs go on to practice in a variety of settings including healthcare facilities, home settings, K-

12 schools, universities, private practice, government agencies, industry, and more.

Admission to the Graduate School does not guarantee admission to the Speech-Language Pathology graduate program.

Prerequisites. The program assumes an undergraduate background in speech-language pathology and/or audiology. Students who do not have such a background must fulfill academic requirements as determined by their major advisor. These requirements must be met before admission to the graduate program.

DEGREE REQUIREMENTS

Required Core Credits (34 hours)

CSD 516	Professional Issues in SLP	2
CSD 555	Neuroanatomy and Neurophysiology of Communication	3
CSD 563	Voice and Resonance Disorders	3
CSD 571	Speech and Hearing Science	3
CSD 580	Clinical Practices in Aural Rehabilitation	1
CSD 655	Acquired Disorders of Language & Cognition	3
CSD 656	Feeding and Swallowing Disorders: Lifespan	3
CSD 657	Motor Speech Disorders: Lifespan	2
CSD 658	Assistive Technology for Communication Disorders	2
CSD 661	Articulation and Phonological Disorders in Children	3
CSD 664	Fluency Disorders	3
CSD 682	Language Disorders in Early Childhood and Preschool	3
CSD 684	Disorders of Language & Literacy: School-Age and Adolescent	3

Select one of the following research courses (3 hours)

RCS 610	Interpretation and Evaluation of Behavioral Research	3
SRM 600	Introduction to Graduate Research	3

CSD Foundational Research Course (1 hour)

CSD 515	Foundations of Research and Writing	1
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Clinical Practicum — 14 hours

CSD 567	Diagnostic Procedures: Introduction	1-2
CSD 568	Diagnostic Procedures: Intermediate	1-2
CSD 569	Advanced Diagnostic Procedures	1-2
CSD 583	Clinical Practicum: Introduction	1-2
CSD 585	Clinical Practicum in Speech-Language Pathology: Intermediate	1-2

CSD 586	Clinical Practicum in Speech-Language Pathology: Intermediate/Advanced	1-2
CSD 588	Clinical Practicum in Speech-Language Pathology: Advanced	1-2

CSD 567: Take 2 hours

CSD 568: Take 2 hours

CSD 569: Take 2 hours

CSD 583: Take 2 hours

CSD 585: Take 2 hours

CSD 586: Take 2 hours

CSD 588: Take 2 hours

The primary purpose of clinical practica is to help students become competent in the assessment and treatment of various communication disorders. For this reason, students are required to be continuously enrolled in practicum courses during their graduate work. Clinic clock hours obtained through practicum courses will be used to help students meet the American Speech-Language-Hearing Association (ASHA) clock-hour requirements in certain clinical categories. In some cases students may need additional clinical clock hours and experience as determined by the Clinic Coordinator. In such instances, they may repeat CSD 585, CSD 567, CSD 568, and/or CSD 569. See the program handbook for more information.

Internships — 9-18 hours

Must be arranged by internship coordinator.

CSD 592	Internship in Public Schools	1-15
CSD 692	Internship in Medical Settings	1-16

All SLP graduate students must satisfy requirements in public school student teaching and medical internships. The online program is designed to be completed while students are currently employed in a public school setting that provides on-site mentorship with an ASHA certified supervisor. The public school internship requirement is generally satisfied when students complete their employment/practicum. In the rare occasion a student has not met the public school requirements through their program, they will be required to complete both a public school student teaching and a medical internship. The Graduate Coordinator in conjunction with the Clinic Coordinator must approve the student's internship plan. Please see the program handbook for more information.

Students who complete this program and who pass the Praxis and clinical fellowship are eligible for the Certificate of Clinical Competence in Speech-Language Pathology from the American Speech-Language-Hearing Association (ASHA) and for licensure from the Colorado Department of Education. Eight weeks of internship in public schools are required to be eligible for licensure from

the Colorado Department of Education. This program is accredited by the Council on Academic Accreditation (CAA) of the ASHA and by the Colorado Department of Education.

Satisfactory performance on culminating activity/activities approved by program faculty, in accordance with Graduate School policy, satisfies the completion of the comprehensive exam and is required to complete the M.A. Program.

SPEECH-LANGUAGE PATHOLOGY M.A. - RESIDENTIAL PROGRAM

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Master's Degree Admission Requirements (p. 16)

Chair: Donald Finan, Ph.D.

Location: Gunter 1400

Telephone: 970.351.2734

Fax: 970.351.2974

Website: www.unco.edu/nhs/audiology-speech-language-sciences/

This certifying master's program is fully accredited and provides excellent academic, research, and clinical preparation.

Areas emphasized include:

- The science of communication;
- The nature, prevention, assessment, and management of:
 - developmental articulation disorders
 - language and literacy disorders
 - voice disorders
 - fluency disorders
 - pervasive developmental disorders, including autism
 - dysphagia
 - neurologic disorders including aphasia, apraxia, post head-injury disorders and dementia;
- Augmentative and alternative communication systems;
- Aural rehabilitation.

This program offers extensive supervised clinical experience through the well-equipped UNC Speech-Language Pathology and Audiology Clinic and ancillary clinics in Colorado. This M.A. program is accredited by the Colorado Department of Education (CDE) and by the

Council on Academic Accreditation (CAA) of the American Speech-Language-Hearing Association (ASHA). Students who complete this program are eligible to apply for the Certificate of Clinical Competence in Speech-Language Pathology from the American Speech-Language-Hearing Association. Graduates can also qualify for licensure from the Colorado Department of Education. Career opportunities include: positions in schools, hospitals, practice in association with a range of physicians including otolaryngology, neurology, neurosurgery, psychiatry and pediatrics; rehabilitation centers, and private practice.

Communication is what allows us to connect with each other and the world around us. Make a difference in the world through a career that empowers people with communication differences. The Department of Communication Sciences & Disorders at University of Northern Colorado (UNCO) offers several pathways to career opportunities in this exciting field: A Bachelor of Science in Communication Sciences and Disorders, the Speech-Language Pathology Certificate (SLPA) Program; an on-campus Master of Arts in Speech-Language Pathology (SLP) program; an online Master of Arts in Speech-Language Pathology (SLP) program; and Doctor of Audiology (AuD) program.

Our undergraduate program provides students with the opportunity to explore the exciting science behind how we talk, formulate language, speak, hear, and listen. Students will explore a variety of communication disorders including brain injury, stroke, Autism, developmental delays, hearing loss, and more. Through this program, students will learn about how communication disorders are evaluated and treated. Students who graduate from our undergraduate programs go on to pursue meaningful, fulfilling careers in fields such as speech-language pathology, audiology, occupational therapy, behavioral therapy, medicine, public health, counseling, human services, special education, and more.

The Speech-Language Pathology Assistant (SLPA) certificate program equips students pursuing their bachelor's degree, students who have completed their bachelor's degree, and students who have completed equivalent leveling coursework with the knowledge and skills they need to serve students with communication challenges in the public school setting under the supervision of a certified speech-language pathologist (SLP). The employment growth rate for this exciting career pathway is faster than average according to the Bureau of Labor Statistics.

Our graduate degree programs include a Master of Arts in Speech-Language Pathology (SLP) and a Doctor of Audiology (AuD). We offer both an on-campus SLP program and an online SLP program to meet a variety of student needs. Through the SLP degree, students will develop their knowledge and clinical skills to become a

practicing speech-language pathologist. Through the AuD degree, students will develop their knowledge and clinical skills to become a practicing audiologist. These clinical degree programs involve a combination of both academic learning as well as hands-on clinical training in a variety of settings, including the on-campus UNCO Speech-Language Pathology & Audiology Clinic and participation in our Community Engaged programs. Both career paths are forecasted to have an excellent outlook for job opportunities and career growth. Both career paths rank consistently high in job satisfaction. Our students who graduate from these programs go on to practice in a variety of settings including healthcare facilities, home settings, K-12 schools, universities, private practice, government agencies, industry, and more.

Admission to the Graduate School does not guarantee admission to the Speech-Language Pathology graduate program.

Prerequisites. The program assumes an undergraduate background in speech-language pathology and/or audiology. Students who do not have such a background must fulfill academic requirements as determined by their major advisor. These requirements must be met before admission to the graduate program.

DEGREE REQUIREMENTS

Required Core Credits (34 hours)

CSD 516	Professional Issues in SLP	2
CSD 555	Neuroanatomy and Neurophysiology of Communication	3
CSD 563	Voice and Resonance Disorders	3
CSD 571	Speech and Hearing Science	3
CSD 580	Clinical Practices in Aural Rehabilitation	1
CSD 655	Acquired Disorders of Language & Cognition	3
CSD 656	Feeding and Swallowing Disorders: Lifespan	3
CSD 657	Motor Speech Disorders: Lifespan	2
CSD 658	Assistive Technology for Communication Disorders	2
CSD 661	Articulation and Phonological Disorders in Children	3
CSD 664	Fluency Disorders	3
CSD 682	Language Disorders in Early Childhood and Preschool	3
CSD 684	Disorders of Language & Literacy: School-Age and Adolescent	3

Select one of the following research courses (3 hours)

RCS 610	Interpretation and Evaluation of Behavioral Research	3
SRM 600	Introduction to Graduate Research	3

CSD Foundational Research Course (1 hour)

CSD 515	Foundations of Research and Writing	1
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Clinical Practicum — 10-14 hours

CSD 567	Diagnostic Procedures: Introduction	1-2
CSD 568	Diagnostic Procedures: Intermediate	1-2
CSD 569	Advanced Diagnostic Procedures	1-2
CSD 583	Clinical Practicum: Introduction	1-2
CSD 585	Clinical Practicum in Speech-Language Pathology: Intermediate	1-2
CSD 586	Clinical Practicum in Speech-Language Pathology: Intermediate/Advanced	1-2
CSD 588	Clinical Practicum in Speech-Language Pathology: Advanced	1-2

CSD 567: Take 1 hour

CSD 568: Take 1 hour

CSD 569: Take 1 hour

CSD 583: Take 1 hour

CSD 585: Take 2 hours

CSD 586: Take 2 hours

CSD 588: Take 2 hours

The primary purpose of clinical practica is to help students become competent in the assessment and treatment of various communication disorders. For this reason, students are required to be continuously enrolled in practicum courses during their graduate work. Clinic clock hours obtained through practicum courses will be used to help students meet the American Speech-Language-Hearing Association (ASHA) clock-hour requirements in certain clinical categories. In some cases students may need additional clinical clock hours and experience as determined by the Clinic Coordinator. In such instances, they may repeat CSD 585, CSD 586, CSD 588, CSD 567, CSD 568, and/or CSD 569. See the program handbook for more information.

Internships — 12-24 hours

Students must take both internships.

Must be arranged by internship coordinator.

CSD 592	Internship in Public Schools	1-15
CSD 692	Internship in Medical Settings	1-16

CSD 592: Take a minimum of 6 hours.

CSD 692: Take a minimum of 6 hours.

Thesis Option (Elective Credit Hours - 9)

Students who elect to complete a thesis may reduce the number of credits assigned to internship with the consent

of their academic advisor. In addition to the requirements above, they must complete the following:

CSD 699	Thesis: Communication Disorders	1-6
SRM 602	Statistical Methods I	3
	or	
	Other statistics course approved by advisor	

Students who complete this program and who pass the Praxis exam and clinical fellowship are eligible for the Certificate of Clinical Competence in Speech-Language Pathology from the American Speech-Language-Hearing Association (ASHA) and for licensure from the Colorado Department of Education. Eight weeks of internship in public schools are required to be eligible for licensure from the Colorado Department of Education. This program is accredited by the Council on Academic Accreditation (CAA) of the ASHA and by the Colorado Department of Education.

Satisfactory performance on culminating activity/activities approved by program faculty, in accordance with Graduate School policy, satisfies the completion of the comprehensive exam and is required to complete the M.A. Program.

SPORT AND EXERCISE SCIENCE M.S. – BIOMECHANICS CONCENTRATION

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Master's Degree Admission Requirements (p. 16)

Location: Gunter 2590

Telephone: 970.351.2755

Fax: 970.351.1489

Website: www.unco.edu/nhs/sport-exercise-science/

Students in the Master's program will study biomechanics research, laboratory techniques, and have options to study in affiliated areas. Involvement in ongoing laboratory research projects is expected. The Biomechanics Lab is a state-of-the-art research facility with a 10-camera motion analysis system, instrumented force measuring treadmill, 16 channel telemetered EMG system, metabolic cart, TekScan pressure measurement system, isokinetic dynamometer (Biodex) and computers with multiple software packages. Students in the Master's program choose between a Thesis Option or Non-Thesis Option.

DEGREE REQUIREMENTS — 33 CREDITS

Required Credits (18 hours)

SES 602	Introduction to Research in Sport and Exercise Science	3
SES 618	Biomechanics of Locomotion	3
SES 619	Advanced Biomechanics	3

SES 625	Laboratory Techniques in Exercise Science Research	3
SES 620	Neuromuscular Structure and Function	3
SES 601	Statistics in the Movement Sciences	3
	or	
SRM 602	Statistical Methods I	3
SES 625: Laboratory Techniques in Biomechanics		
Select two of the following courses (6 hours):		
SES 550	Neural Aspects of Kinesiology	3
SES 624	Advanced Developmental Kinesiology	3
SES 626	Metabolism	3
SES 627	Muscle Physiology	3
SES 665	Advanced Sociological Kinesiology	3

Elective Credits (3-9 hours)

In consultation with a program advisor, students should choose elective credits and to satisfy the Thesis option or the Non-Thesis option. Courses not taken to meet the above requirement and courses taken from the list below of recommended elective can be used to meet the elective requirements. Other elective credits must have the approval of the program advisor.

The following courses are recommended to be used as electives

SES 622	Directed Studies	1-4
SES 632	Cardiovascular Physiology	3
SES 635	Exercise and Sports Psychology	3
SES 636	Motivation	3
SES 692	Graduate Internship in Sport and Exercise Science	1-6
FND 555	Nutrition for Fitness and Athletic Performance	3
SRM 603	Statistical Methods II	3

Thesis Option (6 credits)

The thesis option may be included as elective hours within a student's program. The thesis option requires the completion of a research study, including problems development with data collections and appropriate analysis. The thesis will be completed in a format consistent with UNC Graduate School guidelines. Students must request approval from their advisor to complete the Thesis, and at least one additional UNC faculty member will comprise the thesis committee.

SES 699	Thesis	1-6
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Non-Thesis Option

This option must be discussed and APPROVED by the program advisor. Students selecting this option must complete 6 credits of approved elective coursework and/or

a graduate internship and earn an appropriate, professional certification (e.g., National Strength and Conditioning Association's CSCS). Certifications should be completed during the last semester of course work AND prior to the Graduate School's deadline for results of the written comprehensive examination (see deadlines on Graduate School website).

SPORT AND EXERCISE SCIENCE M.S. – EXERCISE PHYSIOLOGY CONCENTRATION

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Master's Degree Admission Requirements (p. 16)

Location: Gunter 2590

Telephone: 970.351.2755

Fax: 970.351.1489

Website: www.unco.edu/nhs/sport-exercise-science/

The Exercise Physiology Concentration focuses on physiological system's; responses to exercise. The program involves an in depth examination of both acute and chronic adaptations to exercise with special attention placed on the cardiovascular system, skeletal muscle, and metabolism. Students also receive considerable advanced laboratory experience in the classroom and involvement with faculty research. Students in the Master's program choose between a Thesis Option or Non-Thesis Option.

DEGREE REQUIREMENTS — 33 CREDITS

Required Credits (21 hours)

SES 505	Exercise Oncology	3
	or	
SES 510	Electrocardiography	3
SES 602	Introduction to Research in Sport and Exercise Science	3
SES 625	Laboratory Techniques in Exercise Science Research	3
SES 626	Metabolism	3
SES 627	Muscle Physiology	3
SES 632	Cardiovascular Physiology	3
SES 601	Statistics in the Movement Sciences	3
	or	
SRM 602	Statistical Methods I	3

SES 625: Laboratory Techniques in Exercise Physiology

Elective Credits (6-12 hours)

Elective credits must have the approval of the program advisor and must satisfy the Thesis option or the non-

Thesis option. Courses used as a part of the concentration requirements may not also be used as electives.

The following courses are recommended electives:

SES 505	Exercise Oncology	3
SES 510	Electrocardiography	3
SES 550	Neural Aspects of Kinesiology	3
SES 619	Advanced Biomechanics	3
SES 620	Neuromuscular Structure and Function	3
SES 692	Graduate Internship in Sport and Exercise Science	1-6
BIO 547	Immunology and Disease	3
BIO 550	Cell Physiology	3
BIO 552	Advanced Systemic Physiology: Homeostats	3
BIO 553	Advanced Systemic Physiology: Control Systems	3
BIO 556	Current Topics in Biomedical Research	2
BIO 576	Pharmacology	3
BIO 582	Cancer Biology	3
CHEM 581	General Biochemistry I	4
CHEM 582	General Biochemistry II	4
FND 555	Nutrition for Fitness and Athletic Performance	3

Thesis Option (6 credits)

The thesis option may be included as elective hours within a student's program. The thesis option requires the completion of a research study, including problems development with data collections and appropriate analysis. The thesis will be completed in a format consistent with UNC Graduate School guidelines. Students must request approval from their advisor to complete the Thesis, and at least one additional UNC faculty member will comprise the thesis committee.

SES 699	Thesis	1-6
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Non-Thesis Option

This option must be discussed and APPROVED by the program advisor. Students selecting this option must complete 6 credits of approved elective coursework and/or a graduate internship and earn an appropriate, professional certification (e.g., National Strength and Conditioning Association's CSCS). Certifications should be completed during the last semester of course work AND prior to the Graduate School's deadline for results of the written comprehensive examination (see deadlines on Graduate School website).

**SPORT AND EXERCISE SCIENCE M.S. –
SOCIAL PSYCHOLOGY OF SPORT AND
PHYSICAL ACTIVITY CONCENTRATION**

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Master's Degree Admission Requirements (p. 16)

Location: Gunter 2590

Telephone: 970.351.2755

Fax: 970.351.1489

Website: www.unco.edu/nhs/sport-exercise-science/

The focus of this concentration area is upon social psychological concepts as they relate to sport, exercise and physical activity behavior including motivation, self-perceptions, emotion, group processes and socialization. A lifespan developmental perspective is also taken to address these social psychological forms of influence in sport, exercise and physical activity contexts. Involvement in ongoing faculty research opportunities is encouraged. Research in social psychology of sport and physical activity is primarily conducted with individuals in natural or "field" settings. Students in this Master's program choose between a Thesis Option or Non-Thesis Option

DEGREE REQUIREMENTS — 33 CREDITS

Required Credits (21 hours)

SES 602	Introduction to Research in Sport and Exercise Science	3
SES 624	Advanced Developmental Kinesiology	3
SES 625	Laboratory Techniques in Exercise Science Research	3
SES 636	Motivation	3
SES 635	Exercise and Sports Psychology	3
SES 665	Advanced Sociological Kinesiology	3

SES 601	Statistics in the Movement Sciences	3
	or	
SRM 602	Statistical Methods I	3
SES 625:	Laboratory Techniques in Social Psychology of Sport and Physical Activity	

Elective Credits (3-9 hours)

Elective credits must have the approval of the program advisor and must satisfy the Thesis option or the Non-Thesis option.

Select one of the following courses (3 credits)

SES 619	Advanced Biomechanics	3
SES 620	Neuromuscular Structure and Function	3
SES 626	Metabolism	3

Thesis Option (6 credits)

The thesis option may be included as elective hours within a student's program. The thesis option requires the completion of a research study, including problems development with data collections and appropriate analysis. The thesis will be completed in a format consistent with UNC Graduate School guidelines. Students must request approval from their advisor to complete the Thesis, and at least one additional UNC faculty member will comprise the thesis committee.

SES 699 Thesis 1-6

Non-Thesis Option

The Comprehensive Examination must be completed by those students who do not complete the thesis. The comprehensive examination will consist of a written portion, which will be sequestered. Comprehensive examination questions will be focused primarily on content addressed in the Social Psychology of Sport and Physical Activity concentration area. However, content from required research courses and from the student's elective coursework will also be included. It should be understood that the comprehensive examination and the thesis are intended to be of similar difficulty.

The following courses are recommended electives:

GERO 625	Psychosocial Aspects of Aging	3
PSY 664	Advanced Social Psychology	3
SES 680	Perspectives in Sport Pedagogy	3
SOC 532	Social Psychology and Group Dynamics	3
SRM 680	Introduction to Qualitative Research	3

SPORT AND EXERCISE SCIENCE M.S. – SPORT ADMINISTRATION CONCENTRATION

PROGRAM OVERVIEW**College of Natural and Health Sciences**

General Master's Degree Admission Requirements (p. 16)

Location: Gunter 2590

Telephone: 970.351.2755

Fax: 970.351.1489

Website: www.unco.edu/nhs/sport-exercise-science/

The Master of Science in Sport and Exercise Science: Sport Administration Concentration curriculum follows the guidelines set for the preparation of students in sport management by the North American Society for Sport Management. Students are prepared to assume positions in the management of sport in collegiate athletic programs and professional, Olympic and commercial sport business.

The M.S. program requires a minimum of 30 hours.

Students in this Master's program choose between a Thesis Option or Non-Thesis Option.

DEGREE REQUIREMENTS — 30 CREDITS**Required Concentration Credits — 21 hours**

SES 560	Critical Thinking and Ethical Considerations in Sport Administration	3
SES 570	Administration of Sport Organizations and Employees	3
SES 576	Sport Promotion and Marketing	3
SES 602	Introduction to Research in Sport and Exercise Science	3
SES 650	Financial Management for Sport Organizations	3
SES 675	Sport Facility and Event Management	3
SES 688	Legal Aspects of Sport	3

Elective Credits — 3-9 hours

Students are allowed 9 hours of electives in the master's program. After consulting with their advisor, students should select courses which contribute to their academic and career goals. The following courses are offered as a guide for elective course selection. Students should also review the *Catalog* for course options in their cognate areas.

SES 670	Sport and Higher Education	3
SES 671	Fundraising & Development in Sport	3
SES 676	Sport Public Relations and Information Systems	3
SES 692	Graduate Internship in Sport and Exercise Science	1-6

NOTE: SES 692 may be used for up to 6 hours of elective credit and is designed to assist students in gaining experience in the sport industry and/or to bridge the gap between theory and practice. To be eligible to register for SES 692, a student must have 1) a GPA of 3.0, 2) completed (or currently enrolled) five required courses, and 3) completed 20 graduate credits.

Thesis Option (6 credits)

The thesis option may be included as elective hours within a student's program. The thesis option requires the completion of a research study, including problems development with data collections and appropriate analysis. The thesis will be completed in a format consistent with UNC Graduate School guidelines. Students must request approval from their advisor to complete the Thesis and the Student's advisory and at least one additional UNC faculty member will comprise the thesis committee.

SES 699 Thesis 1-6

Non-Thesis Option

The Comprehensive Examination must be completed by all students who do not elect the thesis option. The comprehensive examination will consist of a non-sequestered written literature review and analysis paper. The written literature review will be focused on the content addressed in the Sport Administration concentration.

SPORT COACHING M.A.**PROGRAM OVERVIEW****College of Natural and Health Sciences**

General Master's Degree Admission Requirements (p. 16)

Location: Gunter 2590

Telephone: 970.351.2755

Fax: 970.351.1489

Website: www.unco.edu/nhs/sport-exercise-science/

This online Sport Coaching Master of Arts (M.A.) degree is designed to enhance coaching knowledge and expertise, and to advance existing coaching practices through evaluation and application of current research. One of very few nationally accredited online graduate coaching degrees in the country, this innovative program combines academic knowledge with applied practice and the latest technology. The online sport coaching master's degree starts each Summer term.

DEGREE REQUIREMENTS — 30 CREDITS**Required Courses**

SES 581	Developmental Perspectives for Sport Coaching	3
SES 582	Psychology for Sport Coaches	3
SES 583	International Perspectives of Sport Coaching	3
SES 584	Sport Administration for Sport Coaches	3
SES 586	Injury Prevention, Training and Conditioning Principles for Sport Coaches	3
SES 587	Sport Coaching Principles and Perspectives	3
SES 588	Evaluation of Coaching using Technology	3
SES 589	Bridging Theory and Practice in Sport Coaching	3
SES 604	Teacher and Coach Action Research	3
SES 692	Graduate Internship in Sport and Exercise Science	1-6

SES 692: Take 3 credits

Comprehensive Examination

All students must pass the Comprehensive Examination with a score of 80% or higher. This examination consists of a non-sequestered written review and analysis paper of the national coaching standards (SHAPE America, 2019) and focuses on content addressed throughout the Sport Coaching curriculum.

NOTE: There are no endorsements or licenses associated with this degree.

TEACHING AMERICAN SIGN LANGUAGE M.A.**PROGRAM OVERVIEW****College of Education and Behavioral Sciences**

Master's Degree Admission Requirements (p. 16)

Chair: Barbara Garrett, Ph.D.

Teaching ASL M.A. Program Manager: Pauline Ballentine

Location: McKee Room 525

Videophone: 970-373-4321

Telephone: 970-351-1060

Website: www.unco.edu/cebs/asl-interpreting/

The Teaching American Sign Language (TASL) M.A. Program is a distance delivered master's degree with required onsite summer sessions which prepares instructors to teach American Sign Language (ASL) on the post-secondary level. The focus of this program is on pedagogical coursework as applicable to teaching ASL as a foreign or as a modern language, not learning or mastering ASL. Therefore, all students must demonstrate ASL proficiency through an informal screening prior to acceptance into the program.

Please note: The licensure option is available through the Teaching American Sign Language (TASL) M.A.: Licensure: World Languages (Grades K-12) (p. 171) Program.

DEGREE REQUIREMENTS — 30 CREDITS**Required Concentration Credits — 30 credit hours**

TASL 501	First and Second Language Acquisition in ASL	3
TASL 502	ASL Teaching Methods	3
TASL 503	ASL Assessment and Testing	3
TASL 504	ASL Curriculum Development and Design	3
TASL 505	Teaching Deaf Community, Culture, and ASL Literature	3
TASL 506	Contemporary Professional Issues in Teaching ASL	3
TASL 511	American Sign Language Linguistics	3

TASL 593	Practicum for ASL Teaching I	3
TASL 594	Practicum for ASL Teaching II	3
TASL 600	ASL Graduate Research	3

All students are expected to complete 600 hours of ASL teaching practicum, a portfolio, and a research project as part of their graduation requirements.

TEACHING AMERICAN SIGN LANGUAGE M.A.: LICENSURE: WORLD LANGUAGES (GRADES K-12)

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Master's Degree Admission Requirements (p. 16)

Chair: Barbara Garrett, Ph.D.

Teaching ASL M.A. Program Manager: Pauline Ballentine

Location: McKee Room 525

Videophone: 970-373-4321

Telephone: 970-351-1060

Website: www.unco.edu/cebs/asl-interpreting/

The Teaching American Sign Language (TASL) M.A.: Licensure: World Languages (Grades K-12) is a distance delivered master's degree with required onsite summer sessions which prepares instructors to teach American Sign Language (ASL) in a number of settings including secondary and post-secondary levels. The focus of this program is on pedagogical coursework as applicable to teaching ASL as a foreign or as a modern language, not learning or mastering ASL. Therefore, all students must demonstrate ASL proficiency through an informal screening prior to acceptance into the program.

NOTE: The non-licensure option is available through the Teaching American Sign Language (TASL) M.A. (p. 170) Program.

All students are expected to complete two teaching practica experiences, a portfolio, and a research project as part of their graduation requirements.

Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old.

NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Federal student loans are not currently available to students who are pursuing a CO state license (initial or additional) through UNC's stand-alone, graduate level licensure programs without also being simultaneously enrolled in a Masters or Doctoral degree program.

DEGREE REQUIREMENTS — 42 CREDITS

Required Major Core Credits — 30 credit hours

TASL 501	First and Second Language Acquisition in ASL	3
TASL 502	ASL Teaching Methods	3
TASL 503	ASL Assessment and Testing	3
TASL 504	ASL Curriculum Development and Design	3
TASL 505	Teaching Deaf Community, Culture, and ASL Literature	3
TASL 506	Contemporary Professional Issues in Teaching ASL	3
TASL 511	American Sign Language Linguistics	3
TASL 593	Practicum for ASL Teaching I	3
TASL 594	Practicum for ASL Teaching II	3
TASL 600	ASL Graduate Research	3

Required Professional Teacher Education Program Courses for Initial Teacher Licensure Graduate Students — 12 credit hours

EDF 500	Conceptions of Schooling	3
ECLD 523	Academic Language/Literacy Development for Diverse Learners in School Settings	3
EDSE 511	Content Accessibility for CLD and Students with Identified Needs	3
PSY 500	Educational Psychology for Teachers	3

TEACHING DIVERSE LEARNERS M.A. – WITH DUAL ENDORSEMENT IN SPECIAL EDUCATION AND CULTURALLY AND LINGUISTICALLY DIVERSE EDUCATION

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Master's Degree Admission Requirements (p. 16)

Director: Jingzi (Ginny) Huang, Ph.D.

Location: McKee 216

Telephone: 970.351.2908

Website: www.unco.edu/cebs/teacher-education/

This MA degree program is designed for currently licensed teachers, such as those who hold Early Childhood, Elementary or Secondary licenses, who wish to receive added endorsements in the areas of Special Education Generalist and Culturally Linguistically Diverse Education. The program is a blended design that incorporates all courses and field experiences necessary to receive both endorsements, and a Master of Arts Degree.

**Please note: Federal student loans are not currently available to students who are pursuing a CO state license*

(initial or additional) through UNC's stand-alone, graduate level licensure programs without also being simultaneously enrolled in a Masters or Doctoral degree program.

Program Requirements:

- Three credits of approved literacy instruction (not a condition of admission and can be completed while completing program requirements)
- Evidence of familiarity with a second language (not a condition of admission and can be completed while completing program requirements)

DEGREE REQUIREMENTS — 33 CREDITS

Required Credits — 33 hours

ECLD 592	Second Language Acquisition Theory	3
ECLD 594	Foundations of Language and Linguistics for ESL/Bilingual Educators	3
ECLD 596	Effective Instruction in Culturally and Linguistically Diverse Education	3
EDS 581	Basic Principles of CLD & SPED Education	3
EDS 582	Assessment: Special Education and Culturally and Linguistically Diverse Students	3
EDS 602	Graduate Research with Diverse Learners	3
EDS 603	Field Based Experience CLD/SPED	6
EDSE 597	Effective Instruction in Special Education	3
EDSE 614	Behavioral Interventions	3
EDSE 619	Secondary Services	3

THEATRE EDUCATION M.A. — THEATRE EDUCATOR INTENSIVE

PROGRAM OVERVIEW

College of Performing and Visual Arts

General Master's Degree Admission Requirements

Interim Director: Michelle Gaza, M.F.A

Location: Frasier Hall 105

Theatre Arts: 970.351.2991

Dance: 970.351.2991

Website: arts.unco.edu/theatre/

Graduate Coordinator: Mary Schuttler, Ph.D.

This focused program consists of four 3 credit on-line courses, two three-week summer intensives for 18 credits (9 each year), and two 3-credit on-line courses of thesis

advisement, for a total of 36 credits spread out over two-and-a-half academic years.

The Coordinator of the M.A. in Theatre Education: Theatre Educator Intensive program will assign each student an academic advisor and a graduate committee. The academic advisor will serve as the chair of the graduate committee.

It is recommended that students have a graduate committee review each semester. The student will discuss the graduate review with the academic advisor and the Coordinator of the M.A. in Theatre Education: Theatre Educator Intensive program. The student will assume responsibility for scheduling graduate reviews. Two unsuccessful graduate reviews will be considered grounds for termination of the program.

A written research thesis, action research project, or written comprehensive exams are required of all Master of Arts degree candidates in the School of Theatre Arts and Dance.

Upon completion of the program, the student will be required to demonstrate competence in the designated area of concentration in accordance with approved school standards. The student's committee must approve the candidate for graduation.

For program details, see:

<https://extended.unco.edu/programs/theatre-education-teaching-masters/>

DEGREE REQUIREMENTS

Required Courses — 36 credits

THED 500	Academic Writing in Theatre Education	3
THED 530	Theatrical Production I	3
THED 531	Theatrical Production II	3
THED 540	Directing/Acting: Realism and Non-Realism/Period Styles	3
THED 541	Directing/Acting: Musical Theatre	3
THED 560	Innovative Strategies in Drama Education	3
THED 561	Voice and Movement	3
THED 600	Dramaturgy/Research Methodology	3
THED 670	Advocacy, History, and Philosophy of Theatre Education	3
THED 680	Theatre Education Curriculum Development	3
THED 690	Thesis I or	3
THED 696	Action Research I	3
THED 699	Thesis II or	3
THED 697	Action Research II	3

Educational Specialist Degrees

EDUCATIONAL LEADERSHIP ED.S.

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Specialist Degree Admission Requirements (p.17)

Director: Linda R. Vogel, Ph.D.

Location: McKee 418A

Telephone: 970.351.2119

Website: www.unco.edu/cebs/leadership-policy-development-higher-education-p12-education/educational-leadership-policy-development/

Students may work concurrently on the principal's license or administrator (district-level leadership/superintendent) license within the Educational Specialist degree (Ed.S.) in Educational Leadership. To obtain a Colorado principal or administrator license, students must have a master's degree or higher, complete a principal or administrator license program, and satisfactorily pass the appropriate PRAXIS exam. Students desiring a principal's or administrator's license must work with the UNC licensure office for program verification when they have completed their coursework.

DEGREE REQUIREMENTS — 30 CREDITS

Research — 3 hours

Select one of the following courses:

PSY 674	Measurement I: Classical Test Theory	3
SRM 602	Statistical Methods I	3
SRM 670	Evaluation: Models and Designs	3
SRM 680	Introduction to Qualitative Research	3
SRM 665	Data Analysis for Decision-Making	3

Educational Leadership Courses — 15 hours

ELPS or HESA Prefix Courses.

Field-Based Learning — 3 hours

Select from among the following courses:

ELPS 606	Internship in Educational Leadership	1-9
ELPS 695	Practicum in Educational Leadership	1-3
HESA 670	Internship in Higher Education and Student Affairs Leadership	6
HESA 675	Field Experience in Student Affairs	1-3

Electives — 9 hours

Courses Fulfilling Professional Needs and Interests	9
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Program Note

Satisfactory performance on a concluding activity approved by division faculty, in accordance with Graduate School policy, must be demonstrated.

EDUCATIONAL LEADERSHIP ED.S. WITH DIRECTOR OF GIFTED EDUCATION ENDORSEMENT

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Specialist Degree Admission Requirements (p.17)

Director: Linda R. Vogel, Ph.D.

Location: McKee 418A

Telephone: 970.351.2119

Website: www.unco.edu/cebs/leadership-policy-development-higher-education-p12-education/educational-leadership-policy-development/

The Educational Leadership and Policy Studies Educational Specialist (Ed.S.) with Gifted Education Director endorsement prepares educators who have a MA or above in Gifted Education and at least two years of experience teaching gifted students to assume the role of Gifted Education Director. The program includes educational leadership courses in school law, finance, supervision, human resource management, and organization development as well as courses in gifted education administration and supervision. Program completers are qualified to apply for the Gifted Education Director endorsement.

The Ed.S. degree requires 39 semester hours of graduate study beyond the master's degree. Satisfactory performance on a concluding activity demonstrating attainment of program outcomes and approved by faculty, in accordance with Graduate School policy, must be demonstrated.

DEGREE REQUIREMENTS — 30-39 CREDITS

Research — 3 hours

PSY 644	Motivation in Education	3
SRM 602	Statistical Methods I	3
SRM 670	Evaluation: Models and Designs	3
SRM 680	Introduction to Qualitative Research	3

Educational Leadership Courses — 18 hours

ELPS 603	Shaping Organizations: Management and Leadership in Education	3
ELPS 604	Understanding People: Professional Development and Educational Leadership	3
ELPS 605	External Environments: Social, Political, and Economic Influences in Educational Leadership	3
ELPS 650	School Finance and Budgeting	3
ELPS 654	Instructional Leadership and Supervision	3
ELPS 660	Law and the Administrator	3

Gifted Education Administration Courses — 6 hours

EDSE 667	Administration and Supervision of Gifted Education	3
EDSE 668	Administrative Planning and Program Evaluation in Gifted	3

Field-based Learning — 3-6 hours

EDSE 669	Externship in Gifted Education Administration	1-12
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Elective Courses — Up to 9 hours to Fulfill Professional Needs and Interests

EDSE 683	Nature and Needs of Gifted Learners	3
EDSE 685	Differentiated Curriculum and Instruction for Gifted Learners	3
EDSE 686	Social and Emotional Needs of Gifted Learners	3
ELPS 601	Leadership Development Through Inquiry	3
ELPS 608	Issues in Educational Leadership: Implications for Practice	3
ELPS 665	Policy Analysis and Development	3

Additional elective courses may be selected from the Specialist in Gifted Education Endorsement Program in consultation with your advisor.

Program Notes

- Admission to this program requires prior completion of a master’s degree or higher in gifted education from an accepted institution of higher education or a graduate degree that demonstrates knowledge and application of standards for the Gifted Education Specialist endorsement. Students entering the program who do not meet this criterion will need to complete additional hours in gifted education coursework.
- Satisfactory performance on a concluding activity demonstrating attainment of program outcomes and approved by faculty, in accordance with Graduate School policy, must be demonstrated.

*This course, or an equivalent, is required to meet CDE standards for the Director of Gifted Education endorsement.

EDUCATIONAL LEADERSHIP AND SPECIAL EDUCATION ADMINISTRATION ED.S.

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Specialist Degree Admission Requirements (p.17)

Director: Linda R. Vogel, Ph.D.

Location: McKee 418A

Telephone: 970.351.2119

Website: www.unco.edu/cebs/leadership-policy-development-higher-education-p12-education/educational-leadership-policy-development/

The interdisciplinary Educational Specialist (Ed.S.) degree program in Educational Leadership and Special Education Administration prepares candidates to become effective leaders and managers of educational program and services at both the school building and school district levels of impact. Candidates for this degree complete coursework in applied research/evaluation, the principalship, foundations of educational leadership, contextual understanding of systems, policy/legal/procedural information, program planning and organization, budget and resources, and parent/community engagement. The program provides opportunities for students to develop in-depth understanding about leadership roles and responsibilities, working with external environments, policy development, organizational behavior and contemporary educational issues. The program prepares graduates to assume roles as building principals at the elementary, middle, or high school levels; and district level positions as special education directors and/or central office administrators.

The Ed.S. degree requires 39 semester hours of graduate study beyond the master’s degree. Satisfactory performance on a concluding activity demonstrating attainment of program outcomes and approved by faculty, in accordance with Graduate School policy, must be demonstrated.

DEGREE REQUIREMENTS — 39 CREDITS

Research — 3 hours

SRM 670	Evaluation: Models and Designs	3
SRM 665	Data Analysis for Decision-Making	3

Educational Leadership Courses — 21 hours

ELPS 601	Leadership Development Through Inquiry	3
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ELPS 603	Shaping Organizations: Management and Leadership in Education	3
ELPS 604	Understanding People: Professional Development and Educational Leadership	3
ELPS 650	School Finance and Budgeting	3
ELPS 654	Instructional Leadership and Supervision	3
ELPS 660	Law and the Administrator	3
ELPS 670	The Principalship: Leadership at the School Site Level	3

Special Education Administration Courses — 9 hours

EDSE 680	Administration and Supervision of Special Education	3
EDSE 681	Administrative Planning and Program Evaluation in Special Education	3
EDSE 718	Advanced Seminar in Education of Students with Hearing and/or Visual Loss	3

Field-based Learning — 6 hours

ELPS 606	Internship in Educational Leadership	1-9
EDSE 697	Externship in Special Education: Administration	1-12

Program Note

Satisfactory performance on a concluding activity demonstrating attainment of program outcomes and approved by faculty, in accordance with Graduate School policy, must be demonstrated.

SCHOOL PSYCHOLOGY ED.S.

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Specialist Degree Admission Requirements (p.17)

The Ed.S. program is approved by the National Association of School Psychologists.

The Specialist program is designed for those students who wish to become school psychologist practitioners. Training is primarily oriented toward the acquisition of those skills necessary for effective functioning in the educational environment as a school psychologist. The program is based on the student entering with a bachelor's degree. A student with a master's degree in an area of professional psychology should meet with their advisor to develop a specific plan of study. A course in abnormal psychology is prerequisite to the program and must be completed prior to or during the first year of study.

This program is accredited by the National Association of School Psychologists and leads to licensure as a School Psychologist through the Colorado Department of Education.

DEGREE REQUIREMENTS — 68 CREDITS

Psychological and Educational Foundations (40 hours)

APCE 607	Theories of Counseling	3
SPSY 625	Applied Developmental Science	3
SPSY 628	Applied Behavior Analysis	3
SPSY 629	Single-Case Research Methods	3
SPSY 640	School-Based Psychological Consultation	3
SPSY 655	Family, School, and Community Contexts	3
SPSY 656	Systems-Based Behavioral Health	3
SPSY 667	Intervening with Trauma and Crisis in the Schools	3
SPSY 670	Principles of Psychometrics and Assessment	3
SPSY 747	Psychological Aspects of Academic Programming and Intervention	3
SPSY 763	Legal and Professional Foundations of School Psychology	4
SPSY 630	Functional Behavioral Assessment	3
SPSY 758	Psychopathology in Schools and Clinical Settings	3

Applied Practice in School Psychology (19 hours)

SPSY 618	Practicum in Child, Adolescent, and Family Interventions	5
SPSY 644	Assessment I: Cognitive and Academic Functioning	5
SPSY 647	Assessment and Intervention for Social and Emotional Problems in Children and Adolescents	3
SPSY 779	Practicum in School Psychology	1-3

SPSY 779: Must complete 6 credits over the academic year.

Multicultural Understanding (3 hours)

APCE 623	Understanding and Counseling Diverse Populations	3
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Supervised Field Work (6 hours)

SPSY 789	Internship in School Psychology	1-8
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SPSY 789: A minimum of 6 credits must be taken, 2 credits across three semesters.

Program Note

A written comprehensive examination is a program requirement, and it is satisfied by achieving a score of 147 or higher on the National School Psychology Exam.

Doctoral Degrees

APPLIED STATISTICS AND RESEARCH METHODS PH.D.

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Doctoral Degree Admission Requirements (p. 18)

Chair: Randy Larkins, Ph.D.

Location: McKee 520

Telephone: 970.351.2807

Website: www.unco.edu/cebs/applied-statistics-research-methods/about-us.aspx

The Doctor of Philosophy degree program focus is on the application of statistical concepts, research design, and general research methodology to the solution of practical problems in a variety of disciplines including: education, mental health, business, and public health.

This program prepares students to teach courses at the university level in applied statistics and research methodology, to provide leadership in the conduct of research studies, and to serve as consultants in research methodology and data analysis in education, industry, or government.

Master's en route to the Ph.D.

A student may apply for admission to the Ph.D. program in Applied Statistics and Research Methods and obtain the M.S. in Applied Statistics and Research Methods on the way to completion of the doctoral degree. The application process and admission criteria are the same as for the Ph.D. program. The student must complete all program requirements for the M.S. degree in addition to the minimum 64 hours required for the Ph.D. The student must be conferred with the M.S. degree prior to admission to doctoral candidacy.

DEGREE REQUIREMENTS — 64 CREDITS

Required Major Credits — 3 hours

SRM 689 Internship in Applied Statistics 1-10
SRM 689: Take 3 hours

Complete one of the following Concentration Areas:

Applied Statistics Concentration — 33 hours

SRM 606	Multiple Linear Regression Analysis	3
SRM 607	Non-Parametric Statistics	3
SRM 609	Sampling Methods	3
SRM 614	Linear Models	3
SRM 636	Applied Bayesian Statistics	3
SRM 637	Applied Time Series Analysis	3
SRM 645	Statistical Process Control	3

SRM 731	Multivariate Analysis	3
SRM 752	Statistical Inference	4
	Elective Credits	5

Research Methods Concentration — 33 hours

Required Research Methods Core (all students in the PhD Research Methods Concentration) (11 hours)

SRM 521	Statistical Computing with SPSS	1
SRM 519	Qualitative Analysis Software or	1
SRM 522	Introduction to R	1
SRM 627	Survey Research Methods	3
SRM 660	Mixed Methods Research	3
SRM 673	Evaluation: Advanced Methods	3

Research Methods Area of Specialization (Choose one)

Quantitative Research Methods (22 hours)

SRM 610	Statistical Methods III	3
SRM 625	Applied Multiple Regression Analysis	3
SRM 626	Applied Multilevel Modeling	3
SRM 629	Structural Equation Modeling	3
	Choose 3 credits from one of the following:	
SRM 685	Educational Ethnography or	3
SRM 686	Qualitative Case Study Research or	3
SRM 687	Narrative Inquiry	3
	Elective Credits	7

Qualitative Research Methods Specialization (22 hours)

SRM 685	Educational Ethnography	3
SRM 686	Qualitative Case Study Research	3
SRM 687	Narrative Inquiry	3
SRM 688	Writing Qualitative Research	3
	Elective Credits	10

*Note: it is assumed students entering the research methods Ph.D. would have previously completed at least an introductory level qualitative methods course (equivalent to SRM 680), an introductory level program evaluation course (equivalent to SRM 670), an introductory level measurement course (equivalent to PSY 674), and basic training in SAS (equivalent to SRM 520).

Cognate Option

A student in the research methods concentration may elect to complete 15 semester hours within a cognate area in lieu of the elective credits requirement. These hours must be at the graduate level and approved by the student's advisor. The intent of the cognate is to equip the student in a substantive discipline within which the dissertation may be written.

Approved electives may be substituted for required courses completed during a Master's program.

Research Core — 12 hours

SRM 611	Advanced Statistical Data Analysis	3
SRM 620	Advanced Statistical Programming	3
SRM 684	Research Ethics	1
SRM 700	Advanced Research Methods	3
SRM 732	Research and Statistical Consulting II	2

Research Proposal/Dissertation — 16 hours

SRM 797	Doctoral Proposal Research	1-4
SRM 799	Doctoral Dissertation	1-12

SRM 797: Take 4 hours

SRM 799: Take 12 hours

Research Tools

All Ph.D. students must demonstrate competency in two acceptable research tools.

Deficiencies

Students who enter the doctoral program without a working knowledge of SAS programming must take SRM 520 early in their doctoral program.

AUDIOLOGY AU.D.

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Doctoral Degree Admission Requirements (p. 18)

Chair: Donald S. Finan, Ph.D.

Location: Gunter 1400

Telephone: 970.351.1897

Fax: 970.351.2974

Website: www.unco.edu/nhs/audiology-speech-language-sciences/

This certifying clinical doctoral degree program in audiology (Au.D.) is fully accredited and provides excellent academic, research, and clinical preparation.

Areas emphasized include:

- Basic sciences underlying the hearing and balance mechanisms;
- Diagnosis of hearing disorders in persons ranging in age from infants through older adults;
- Audiological treatment of persons who are deaf or hard of hearing, including counseling and specific treatment procedures for children and adults;
- Diagnosis for and dispensing of hearing aids and other amplification and auditory prosthetic devices;

- Educational audiology for diagnosis and treatment of hearing disorders in early childhood and K-12 educational settings;
- Consultation for and execution of hearing conservation programs for industry, schools and other agencies;
- Instrumentation used in evaluation and treatment of hearing and balance disorders;
- Fundamentals of applied research.

Specific exceptions to Graduate School requirements for doctoral degrees have been approved. These exceptions relate to the dissertation proposal, dissertation, defense of dissertation, advancement to candidacy and doctoral committees. Because of the clinical focus of this degree, rigorous academic standards are maintained through measurement of clinical competencies throughout the program rather than completion of a dissertation. Students will be required to complete a doctoral scholarly project research project.

This program offers extensive supervised clinical experience through the well-equipped UNC Speech-Language Pathology and Audiology Clinic and ancillary clinics in Colorado. The Au.D. program leading to certification is accredited by the Colorado Department of Education (CDE) and by the Council on Academic Accreditation (CAA) of the American Speech-Language-Hearing Association (ASHA). Students who complete this program are eligible to apply for the Certificate of Clinical Competence in Audiology from the American Speech-Language-Hearing Association and/or for Board Certification in Audiology awarded by the American Board of Audiology (ABA). Graduates can also qualify for licensure from the Colorado Department of Education and/or the Colorado Department of Regulatory Agencies.

Career opportunities include positions in hospitals; audiology clinics; otolaryngology medical practices; rehabilitation centers; schools; industry; and private practice.

Students will be admitted to this limited-enrollment program on the basis of:

1. Academic record
2. Three letters of recommendation
3. Current curriculum vitae or resume
4. Written response (see question 1 prompt)
5. Video submission (see question 2 prompt)

Admission to the Graduate School does not guarantee admission to the Audiology graduate program.

Prerequisites: This program assumes an undergraduate background in audiology and/or speech-language pathology. Students who do not have such a background must fulfill academic requirements as determined by their

major advisor. These requirements must be met before admission to the graduate program.

DEGREE REQUIREMENTS — 97 CREDITS

Core Requirements (59 hours)

CSD 555	Neuroanatomy and Neurophysiology of Communication	3
CSD 564	Audiology Clinical Simulation	1
CSD 570	Rehabilitative Audiology And Counseling	2
CSD 571	Speech and Hearing Science	3
CSD 575	Advanced Clinical Applications I	1
CSD 576	Advanced Clinical Applications II	1
CSD 577	Advanced Clinical Applications III	1
CSD 677	Tinnitus and Hyperacusis	2
CSD 711	Auditory Physiology	3
CSD 712	Amplification I	4
CSD 721	Psychoacoustics	2
CSD 723	Amplification II	2
CSD 724	Differential Diagnosis of Auditory Disorders	3
CSD 728	Educational Audiology	3
CSD 731	Cognition and Auditory Processing Disorders	2
CSD 741	Hearing Loss Prevention	3
CSD 742	Advanced Diagnosis of Auditory Disorders	2
CSD 743	Medical Aspects of Audiology	4
CSD 744	Vestibular Assessment and Management	3
CSD 768	Cochlear Implants	3
CSD 772	Audiology Practice Management	2
CSD 774	Professional Issues in Audiology	2
CSD 775	Advanced Electro-diagnosis	4
CSD 782	Pediatric Audiology	3

Clinical Practicum (9 hours)

CSD 574	Clinical Practicum in Audiology	1
CSD 594	Practicum and Advanced Topics in Audiology	1-6

CSD 594: 8 credits required

Internships (9 hours)

CSD 592	Internship in Public Schools	1-15
CSD 692	Internship in Medical Settings	1-16

CSD 592: Eight weeks of Internship in Public Schools (CSD 592) are required to obtain licensure from the Colorado Department of Education for employment as an audiologist in the public schools.

CSD 592: 4 credits required

CSD 692: 5 credits required

Externship (17 hours)

CSD 792	Externship in Audiology	3-12
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Students are expected to complete CSD 792, Clinical Externship (Residency), over three semesters.

Research Courses (3 hours)

CSD 615	Research in Audiology	1-4
CSD 715	Applied Research in Audiology	1-4

CSD 615: 1 credit required

CSD 715: 2 credits of each required

The required CSD 615 and CSD 715 credits will encompass work on the clinical doctoral scholarly project (DSP).

Students who voluntarily wish to complete a comprehensive research doctoral scholarly project (DSP) will need to register for additional CSD 615 and/or CSD 715 credits.

Program Note

A grade of 'B-' or better must be earned in all courses required for the degree.

BIOLOGICAL EDUCATION PH.D.

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Doctoral Degree Admission Requirements (p. 18)

Director: Mitchell E. McGlaughlin, Ph.D.

Location: Ross Hall 2480

Telephone: 970.351.2921

Website: www.unco.edu/nhs/biology/

This program is designed for graduate students interested in specializing in either biology education or an area of the biological sciences that matches current faculty interests and expertise. Areas of emphasis in this program prepare students to conduct and supervise biological or pedagogical research and to instruct biology courses at the college or university level.

Students are strongly encouraged to review the research areas of the Biology faculty on our website and contact faculty in whose research they are interested. The student must meet with a graduate advisor and graduate committee no later than the second semester of the program to determine a course of study.

DEGREE REQUIREMENTS — 64 CREDITS

Pedagogical Credits — 10 hours

BIO 631	Teaching College Biology	3
BIO 632	College Biology Course Development	3
BIO 792	Doctoral Supervised Teaching	1-6

BIO 792: Take 4 hours

Content Elective Credits — 26 hours

BIO 502	Biomedicine and Careers	1	BIO 582	Cancer Biology	3
BIO 511	Field Techniques in Biology	2	BIO 585	Topics in Field Biology	1-10
BIO 512	TA Development Seminar	1	BIO 584	Current Topics in Biological Education Research	2
BIO 521	Advanced Genetics	3	BIO 587	Advanced Immunology	3
BIO 525	Molecular Genetics	3	BIO 591	Biology Roundtable	1
BIO 527	Economic Botany	4	BIO 596	Foundations of Clinical Research	2
BIO 528	Developmental Biology	3	BIO 622	Directed Studies	1-4
BIO 530	Plant Systematics	4	BIO 693	Review of Biological Literature	3
BIO 533	General Parasitology	4	CHEM 581	General Biochemistry I	4
BIO 534	Mammalogy	4	CHEM 582	General Biochemistry II	4
BIO 535	Survey of Fishes, Amphibians and Reptiles	4	EDF 685	Philosophical Foundations of Education	3
BIO 536	Epigenetics and Disease	3	GEOG 507	Geographic Information Science	3
BIO 537	Morphogenesis of Algae and Fungi	4	GEOG 540	Biogeography	3
BIO 538	Ornithology	4	GEOG 545	Landscape Ecology	3
BIO 539	Molecular Ecology	3	GEOG 549	Remote Sensing of the Environment	3
BIO 539L	Molecular Ecology Lab	1	HESA 650	College Student Development: Foundational Theory	3
BIO 541	Advanced Human Anatomy	3	HESA 668	College Students: Culture, Characteristics, Campus Life	3
BIO 542	Molecular and Cellular Laboratory	2	PSY 540	Theories and Principles of Learning	3
BIO 544	Comparative Vertebrate Adaptations	4	PSY 575	Educational Assessment	3
BIO 545	Pathogenic Microbiology	3	PSY 640	Cultural Issues in Education Psychology	3
BIO 546	Pathogenic Microbiology Laboratory	1	PSY 644	Motivation in Education	3
BIO 547	Immunology and Disease	3	PSY 674	Measurement I: Classical Test Theory	3
BIO 548	Virology	3	PSY 675	Measurement II: Contemporary Test Theory	3
BIO 549	Virology Laboratory	1	PSY 681	Learning and Instruction	3
BIO 550	Cell Physiology	3	PSY 682	Cognition and Instruction II	3
BIO 552	Advanced Systemic Physiology: Homeostats	3	SCED 678	Science Education Seminar	1-2
BIO 553	Advanced Systemic Physiology: Control Systems	3	SRM 522	Introduction to R	1
BIO 554	General Plant Physiology	4	SRM 603	Statistical Methods II	3
BIO 555	Reproductive Biology	3	SRM 680	Introduction to Qualitative Research	3
BIO 556	Current Topics in Biomedical Research	2	BIO 591: Limit 2 hours		
BIO 560	Behavioral Ecology	3	BIO 622: Limit 6 hours		
BIO 561	Plant Ecology	3	NOTE: A student can count a maximum of 8 credits from the following list of double numbered courses: BIO 530, BIO 533, BIO 534, BIO 535, BIO 537, BIO 538, BIO 554, BIO 562, BIO 566, BIO 576		
BIO 562	Conservation Biology	3	NOTE: Students can count no more than 9 credits of non-BIO content elective courses. Courses not on the list above may be used to fulfill this category with advisor approval.		
BIO 563	Animal Communication	3	Research Core — 12 hours		
BIO 564	Plant Ecology Lab	1	BIO 594	Foundations of Biological Research	2
BIO 565	Current Topics in Ecology and Evolutionary Research	2	BIO 691	Seminar in Biological Sciences	1
BIO 566	Animal Physiological Ecology	3	SRM 700	Advanced Research Methods	3
BIO 568	Disturbance Ecology	3			
BIO 570	Coevolution in Ecological Systems	3			
BIO 572	Species and Speciation	3			
BIO 576	Pharmacology	3			
BIO 578	Pathobiology	3			
BIO 580	Mammalian Endocrinology	3			
BIO 581	Neurobiology	3			

BIO 691: Take 4 hours

Select one of the following courses:

SRM 502	Applied Statistics	3
SRM 602	Statistical Methods I	3

Research Proposal/Dissertation — 16 hours

BIO 797	Doctoral Proposal Research	1-4
BIO 799	Doctoral Dissertation	1-12

BIO 797: Take 4 credits

BIO 799: Take 12 credits

Program Notes

Students must complete a minimum of 50 semester hours in biological science of combined undergraduate and graduate courses.

SRM 502 and SRM 700 may be waived depending on course background of the student.

Students in this program are exempt from the 94 graduate credit hours to Ph.D. minimum policy.

CHEMICAL EDUCATION PH.D.

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Doctoral Degree Admission Requirements (p. 18)

Location: Ross Hall 3480

Email: chemistry@unco.edu

Website: www.unco.edu/nhs/chemistry-biochemistry/

Select either the B.S. to Ph.D. or the Master's to Ph.D. options.

This program prepares versatile, well-informed chemistry education researchers by providing advanced training for chemists who wish to pursue educational opportunities beyond the master's degree. Students completing this program are qualified to work in the chemistry education field as chemistry instructors at two- and four-year colleges or universities. At the professional level, program graduates are qualified to do and direct fundamental research in chemistry education and chemistry.

The student must have completed a bachelor's degree in chemistry or chemistry courses comparable to those required in the bachelor's degree in chemistry at UNCO.

Research Tools

Students must demonstrate research skills in areas pertinent to the dissertation research topic. The student's competence in these skills will be assessed by the student's oral exam committee and/or dissertation committee members.

The skills may include statistical analysis, background and experience in both field-based and quantitative studies in chemical education research, current technology in education and collateral fields of study such as mathematics, computer science, biology, and earth sciences.

Qualifier Examinations. Qualifier examinations are scheduled during the week preceding the beginning of classes each semester. Pre-Master's students must pass qualifying examinations in three of five areas selected from chemistry content (analytical, biological, inorganic, organic, or physical chemistry). Students will have two opportunities to pass each area exam. If a qualifier exam is failed, the student is required to attend the appropriate undergraduate course(s) in that area. Any cost associated with enrollment in undergraduate courses is the responsibility of the graduate student.

Comprehensive Examinations. A written and oral comprehensive examination must be passed in one sub-discipline of chemistry (a minimum of two graduate-level courses are required in the subdiscipline prior to taking the exam). The standardized ACS exam in general chemistry I and II must be taken and passed (with a minimum average of 90 percent). A written and oral comprehensive examination must be passed in chemical education.

NOTE: Students will select sufficient electives to complete the degree program. Additional electives in the Research, Pedagogy or Chemistry Components may be selected; electives in supporting sciences, mathematics, computer science, and education are also recommended. All electives will be selected in consultation with the student's academic and research advisors.

B.S. TO PH.D. DEGREE REQUIREMENTS — 94 CREDITS

Chemistry Component — minimum 18 hours

Each student must complete a minimum of 18 hours in this category. Each student must complete courses in a minimum of three areas of chemistry (analytical, biological, inorganic, organic or physical). One course in biochemistry is required if not previously taken.

Electives — 18 hours

CHEM 522	Advanced Analytical Chemistry	3
CHEM 523	Chemical Spectroscopy	3
CHEM 533	Organic Synthesis and Stereochemistry	3
CHEM 534	Theory and Mechanisms of Organic Reactions	3
CHEM 543	Organometallic Chemistry	3
CHEM 551	Physical Chemistry I	4
CHEM 552	Physical Chemistry II	4
CHEM 560	Environmental Chemistry	2
CHEM 581	General Biochemistry I	4
CHEM 582	General Biochemistry II	4

CHEM 590	Advanced Topics in Chemistry	3
CHEM 622	Directed Studies	1-3
CHEM 693	Chemical Research	1-9

CHEM 551, CHEM 552, CHEM 581, CHEM 582: These courses may not be taken if equivalent courses were previously taken at the undergraduate level.

Pedagogy Component — minimum 13 hours

Each student must complete a minimum of 13 hours in this category.

Required — 10 hours

CHEM 682	Problems in Teaching Chemistry	3
CHEM 755	Supervised Practicum in College Teaching	1-4
SCED 694	Science Education Research	3

Electives — 3 hours

In conjunction with their advisor, candidates can select appropriate graduate-level courses in supporting areas such as:

- Statistics and Research Methods (SRM)
- Psychology (PSY)
- Educational Technology (ET)
- Science Education (SCED)

Research Component — minimum 63 hours

Each student must complete the 63 required hours in this category. Research competence must be demonstrated in either chemistry or chemical education at the level of a doctoral dissertation. The results of the dissertation project (or part of the project) must be submitted, after research advisor approval, for publication to a peer-reviewed, professional journal prior to graduation. Students in the program are reminded that should they choose a chemistry dissertation research topic, the degree awarded will be Chemical Education.

Research Coursework — 16-19 hours

Required Seminars — 4 hours

CHEM 600	Seminar in Chemistry	1
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CHEM 600: one seminar each on chemical literature, chemical thesis or thesis equivalent research, chemical education literature, and chemical education dissertation research.

Electives

In conjunction with their advisor, candidates can select appropriate graduate-level courses in supporting areas such as:

- Statistics and Research Methods (SRM)
- Psychology (PSY)
- Educational Technology (ET)

- Science Education (SCED)

Methodology (12-15)

Required Research Core — 12 hours

SRM 602	Statistical Methods I	3
SRM 603	Statistical Methods II	3
SRM 680	Introduction to Qualitative Research	3
SRM 700	Advanced Research Methods	3

Required Research — Minimum of 44 hours

Masters Research — 10 hours

CHEM 693	Chemical Research	1-9
CHEM 695	Thesis Proposal	1
CHEM 699	Thesis	1-6

CHEM 693: Take 3 credits

CHEM 699: Take 6 credits

Doctoral Research — Minimum of 34 hours

CHEM 793	Doctoral Research Practicum-Chemistry	1-9
CHEM 797	Doctoral Research Proposal-Chemistry	1-4
CHEM 799	Doctoral Dissertation-Chemistry	1-2

CHEM 793: Take a minimum of 18 credits

CHEM 797: Take 4 credits

CHEM 799: Take 12 credits

MASTER'S TO PH.D. DEGREE REQUIREMENTS — 64 CREDITS

Pedagogy Component — minimum 13 hours

Each student must complete a minimum of 13 hours in this category.

Required — 10 hours

CHEM 682	Problems in Teaching Chemistry	3
CHEM 755	Supervised Practicum in College Teaching	1-4
SCED 694	Science Education Research	3

Electives — 3 hours

In conjunction with their advisor, candidates can select appropriate graduate-level courses in supporting areas such as:

- Statistics and Research Methods (SRM)
- Psychology (PSY)
- Educational Technology (ET)
- Science Education (SCED)

Research Component — minimum 51 hours

Each student must complete the 51 required hours in this category. Competence must be demonstrated in either chemistry and chemical education at the level of a doctoral

dissertation. The results of the dissertation project (or part of the project) must be submitted, after research advisor approval, for publication to a peer-reviewed, professional journal prior to graduation. Students in the program are reminded that should they choose a chemistry dissertation research topic, the degree awarded will be Chemical Education.

Required Seminars — 2 hours

CHEM 600	Seminar in Chemistry	1
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CHEM 600: one seminar each on chemical education literature, and chemical education dissertation research

Research Coursework — 14-17 hours

Methodology — 12-15 hours

Required Research Core — 12 hours

SRM 602	Statistical Methods I	3
SRM 603	Statistical Methods II	3
SRM 680	Introduction to Qualitative Research	3
SRM 700	Advanced Research Methods	3

Electives

In conjunction with their advisor, candidates can select appropriate graduate-level courses in supporting areas such as:

- Statistics and Research Methods (SRM)
- Psychology (PSY)
- Educational Technology (ET)
- Science Education (SCED)

Required Doctoral Research — Minimum of 34 hours

CHEM 793	Doctoral Research Practicum-Chemistry	1-9
CHEM 797	Doctoral Research Proposal-Chemistry	1-4
CHEM 799	Doctoral Dissertation-Chemistry	1-12

CHEM 793: Take a minimum of 18 credits

CHEM 797: Take 4 credits

CHEM 799: Take 12 credits

COUNSELING PSYCHOLOGY PH.D.

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Doctoral Degree Admission Requirements (p. 18)

Chair: Heather Helm, Ph.D.

Location: McKee 248

Telephone: 970.351.2731

Website: www.unco.edu/cebs/applied-psychology-counselor-education/counseling-psychology/

The Counseling Psychology program at UNC has been in existence since 1984. It became accredited by the American Psychological Association (APA) in 1995 as a PsyD program. The curriculum was modified to offer only the PhD in Counseling Psychology and has been accredited by APA since January 15, 2010. For more information about APA accreditation, contact the American Psychological Association's Office of Program Consultation and Accreditation at 750 1st Street, NE, Washington, DC 20002-4242, by phone at (202) 336-5979, or on the web at <http://www.apa.org/ed/accreditation/>.

In our doctoral program at the University of Northern Colorado (UNC), we offer a Major Area of Study in Counseling Psychology with a minimum of 3 full-time academic years of graduate study in didactic course work and supervised clinical training in that Major Area of Study, which includes completing a dissertation that is consistent with the field of Counseling Psychology; students also complete 1 additional year of pre-doctoral internship. Students must complete at least 2 of the 3 academic training years as a full-time resident at UNC. Students that complete our program are appropriately trained in the area of health service psychology to be eligible for licensure as doctoral level psychologists. We offer students experience in being trained in treatment interventions from multiple modalities by completing: two individual practica courses, one couples and family practicum course, and a group practicum course. Live supervision is provided for these practica courses at our on-site training clinic that provides psychological services to community members and university students. Students are also exposed to psychological assessment by completing a cognitive assessment course and a personality assessment course, as well as the option of completing additional assessment courses. Furthermore, our students are trained to create, disseminate, and utilize scholarly research to engage in evidence-based practice. Our program places relatively greater concentration on training related to research. Students take six courses in the area of research and have the option of completing one additional research course in order to receive a doctoral minor in applied statistics and research methods.

DEGREE REQUIREMENTS — 123 CREDITS*

Introductory Core Required — 17 hours

APCE 612	Practicum in Individual Counseling	5
APCE 660	Psychological Consultation: Theory and Practice	3
APCE 669	Advanced Methods: Couples and Family Therapy	3
SRM 600	Introduction to Graduate Research	3
APCE 658	Diagnosis and Treatment Planning	3

Counseling Psychology Core — 7 hours

APCE 616	Career Theory, Counseling and Assessment	3
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APCE 701	Professional Development Seminar in Counseling Psychology	1
PSY 530	Life Span Developmental Psychology	3

Research Core — 18 hours

APCE 733	Seminar in Research Methods in Counseling Psychology	3
SRM 602	Statistical Methods I	3
SRM 603	Statistical Methods II	3
SRM 610	Statistical Methods III	3
SRM 680	Introduction to Qualitative Research	3
SRM 700	Advanced Research Methods	3

Suggested Electives for Students Completing Quantitative Dissertations:

SRM 607	Non-Parametric Statistics or	3
SRM 609	Sampling Methods or	3
SRM 625	Applied Multiple Regression Analysis or	3
SRM 627	Survey Research Methods	3

Suggested Electives for Students Completing Qualitative Dissertations:

SRM 685	Educational Ethnography or	3
SRM 686	Qualitative Case Study Research or	3
SRM 687	Narrative Inquiry or	3
SRM 688	Writing Qualitative Research	3

Practica Required — 28 hours

APCE 694	Practicum in Couples and Family Therapy	4
APCE 702	Practicum in Counseling	4
APCE 712	Advanced Practicum in Individual Counseling	4
APCE 714	Practicum in Supervision of Counseling	3-6
APCE 715	Seminar in Counselor Supervision and Theory	2
APCE 762	Practicum in Group Facilitation	4
APCE 793	Practicum in Clinic Administration and Service Delivery	3
APCE 794	Advanced Practicum in Clinic Administration and Service Delivery	1
APCE 795	External Practicum in Counseling Psychology	3

APCE 714: 3 credits required.

Suggested Practica Electives:

APCE 617	Play Therapy: Theory and Practicum	3
APCE 713	Practicum in Supervision of Play Therapy	3
APCE 774	Practicum in Supervision of Family Therapy	3
APCE 785	Advanced Practicum in Community Engagement: Campus Connections	1

Assessment Core Required — 9 hours

APCE 674	Assessment for Intervention: Cognitive and Academic	4
APCE 677	Psychometrics in Counseling Psychology	1
APCE 678	Assessment for Intervention: Personality and Behavior	4

Suggested Assessment Elective:

APCE 782	Introduction to Rorschach Administration and Scoring	3
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Licensing Core — 25 hours

APCE 623	Understanding and Counseling Diverse Populations	3
APCE 657	Legal and Ethical Aspects of Counseling and Psychology	3
APCE 682	Biological Aspects of Behavior	3
APCE 683	Affective Aspects of Behavior	1
APCE 707	Seminar in Personality and Counseling Theories	3
PSY 540	Theories and Principles of Learning	3
PSY 587	Social Cognitive Neuroscience	3
PSY 590	Seminar in History of Psychology	3
PSY 664	Advanced Social Psychology	3

Internship — 3 hours

APCE 791	Internship in Counseling Psychology	1-5
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APCE 791: 1 Year, 2,000 Hours

Research Proposal/Dissertation — 16 hours

APCE 797	Doctoral Proposal Research	1-4
APCE 799	Doctoral Dissertation	1-12

APCE 797: Take 4

APCE 799: Take 12

Program Notes

*A student entering with previously completed graduate coursework equivalent to coursework required for the Ph.D. degree may have course(s) waived with advisor consent and may significantly reduce the total number of hours required to complete the program. A plan of study for the degree must contain a minimum of 72 hours of

coursework in addition to doctoral research (16) and internship hours (3-18).

In addition to formal course requirements, students are required to successfully complete a doctoral comprehensive examination, a dissertation, and a one-year, 2,000-hour internship.

COUNSELOR EDUCATION AND SUPERVISION PH.D.

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Doctoral Degree Admission Requirements (p. 18)

Chair: Heather Helm, Ph.D.

Location: McKee 248

Telephone: 970.351.2731

Website: www.unco.edu/cebs/applied-psychology-counselor-education/

The doctoral program in counselor education and supervision prepares individuals for employment as counselor educators and supervisors in graduate programs offering training in school counseling, clinical counseling, couples and family counseling/therapy, and counseling with children and adolescents. Graduates are also qualified for licensure as professional counselors, couples and family counselors, or school counselors. The Ph.D. in Counselor Education and Supervision is accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP).

The Department of Applied Psychology and Counselor Education, along with the Department of School Psychology, offers services to the University and the local community through the Psychological Services Clinic, a research and training facility.

Prerequisites: Required of All Counselor Education and Supervision Ph.D. Students

Entering doctoral students should have completed graduate courses in the following areas:

- Diagnosis and Treatment Planning
- Career Counseling and Theory
- Counseling Theories
- Lifespan Development
- Family Systems
- Group Counseling/Guidance
- Legal and Ethical Issues in Counseling
- Substance Abuse

- Appraisal and Assessment
- Introduction to Graduate Research

Students who have not completed coursework in these areas must complete these courses as deficiency coursework not to be counted toward the hours required for the degree.

DEGREE REQUIREMENTS — 83-92 CREDITS

Required Major Credits — 37-43 hours

Counseling Core (12 hours)

APCE 702	Practicum in Counseling	4
APCE 712	Advanced Practicum in Individual Counseling	4
APCE 762	Practicum in Group Facilitation	4

Supervision Core (8 hours)

APCE 714	Practicum in Supervision of Counseling	3-6
APCE 715	Seminar in Counselor Supervision and Theory	2

Theory and Instruction Core (17-23 hours)

APCE 703	Professional Development Seminar in Counselor Education	1
APCE 710	Seminar in Instruction, Pedagogy, and Evaluation in Counseling and Psychology	3
APCE 746	Advanced Seminar in Counselor Education and Supervision	3
APCE 792	Internship in Counselor Education and Supervision	1-6
APCE 723	Seminar in Advanced Multicultural Perspectives in Counselor Education and Supervision	3

APCE 703: Must be taken twice

APCE 792: Take 6-12 hours

Interest Areas (Select One) — 12-15 hours minimum

Couples and Families (13 hours)

APCE 668	Sexuality Counseling	3
APCE 669	Advanced Methods: Couples and Family Therapy	3
APCE 694	Practicum in Couples and Family Therapy	4
APCE 774	Practicum in Supervision of Family Therapy	3

Play Therapy (12 hours)

APCE 609	Foundations of Play Therapy	3
APCE 617	Play Therapy: Theory and Practicum	3
APCE 713	Practicum in Supervision of Play Therapy	3

Students will complete three additional credits of an elective to be selected in consultation with their advisor.

School Counseling (15 hours - if no previous School Counseling background)

APCE 602	Foundations of School Counseling	3
APCE 608	Organization, Administration and Evaluation of School Counseling Programs	3
APCE 614	Internship in School Counseling and Guidance	1-9
APCE 748	Instruction, Supervision and Leadership in School Counseling	3
ELPS 660	Law and the Administrator	3

APCE 614: Take 6 hours

NOTE: Students with a School Counseling background will work with advisor to select 9 credits in addition to APCE 748 to comprise interest area.

Research Core — 3 hours

SRM 700	Advanced Research Methods	3
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(Additional six hours under Research Tool 2.)

Research Proposal/Dissertation — 16 hours

APCE 797	Doctoral Proposal Research	1-4
APCE 799	Doctoral Dissertation	1-12

Research Tools — 15 hours

Research Tool 1: Applied Statistics

SRM 602	Statistical Methods I	3
SRM 603	Statistical Methods II	3
SRM 610	Statistical Methods III	3

Research Tool 2: Applied Research

APCE 716	Research Seminar in Counselor Education	3
SRM 680	Introduction to Qualitative Research	3

Electives

Suggested Electives for Students Completing Quantitative Dissertations:

SRM 607	Non-Parametric Statistics	3
	or	
SRM 609	Sampling Methods	3
	or	
SRM 625	Applied Multiple Regression Analysis	3
	or	
SRM 627	Survey Research Methods	3

Suggested Electives for Students Completing Qualitative Dissertations:

SRM 685	Educational Ethnography	3
	or	
SRM 686	Qualitative Case Study Research	3

	or	
SRM 687	Narrative Inquiry	3
	or	
SRM 688	Writing Qualitative Research	3

Doctoral Minor

Students have the option to complete the Doctoral Minor in Applied Statistics and Research Methods; this is part of the plan of study and is done in consultation with the academic advisor.

Other Recommended Electives:

APCE 609	Foundations of Play Therapy	3
APCE 617	Play Therapy: Theory and Practicum	3
APCE 713	Practicum in Supervision of Play Therapy	3
APCE 774	Practicum in Supervision of Family Therapy	3
APCE 785	Advanced Practicum in Community Engagement: Campus Connections	1
APCE 793	Practicum in Clinic Administration and Service Delivery	3
APCE 794	Advanced Practicum in Clinic Administration and Service Delivery	1

Program Notes

Students will submit a proposal to present at least one time at a juried state, regional, national or international conference. This presentation can be done alone, with faculty, or with peers. Students must submit a copy of the presentation proposal for their files. Accepted presentations: students must submit a copy of the letter of proposal acceptance and copies of presentation handouts. It is highly recommended that students have manuscripts published, in press, and/or in submission prior to graduation, and that students have been involved in grant writing as a part of their education.

Students may complete a doctoral minor in one of the following areas in lieu of an interest area:

- Higher Education and Student Affairs Leadership
- Educational Leadership and Policy Studies
- Special Education
- Educational Psychology
- Cultural Studies and Equity Graduate Certificate Program

This program is accredited by the Council for Accreditation of Counseling and Related Educational Programs.

EDUCATIONAL LEADERSHIP ED.D.

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Doctoral Degree Admission Requirements (p. 18)

Chair: Linda R. Vogel, Ph.D.

Location: McKee 418

Telephone: 970.351.2119

The University of Northern Colorado has a long history of preparing individuals to assume leadership roles in education. Over the years, superintendents, principals, deans, program directors, professors, presidents and other persons in leadership positions in Colorado and across the nation have received academic degrees from the University. The current focus of the Ed.D. is preparing P-12 leaders for public and private schools and other educational organizations.

The purpose of the Ed.D. program is to engage educators in P-12 and other education-related settings in the advanced study of educational leadership so they can critique and improve their own practice. The program focuses on problems of practice - studying practice, engaging in constructive critique of practice, and improving one's practice. Coursework in the program is designed to be highly relevant to the participants' jobs and careers.

Features that make this program attractive to current and aspiring educational leaders:

- Collaborative and collegial learning community;
- Challenging, provocative, research-based knowledge;
- Cohort approach to learning for 3 semesters of enrollment;
- Instructional techniques emphasizing practices of adult learning;
- Emphasis on problems of practice;
- Professional networking with area P-12 educational leaders;
- National and internationally recognized university faculty and affiliates;
- Faculty and cohort commitment that all participants successfully complete the program.

Program of Study. The nature of doctoral studies implies a blend of required learning experiences and individualized program development to reflect the personal, professional, and academic goals of each student. Each doctoral student admitted to the program works with an advisor and program coordinator to develop a plan of study.

Students may work concurrently on the principal's license and/or administrator (district-level leadership/superintendent) license as part of their Ed.D. in Educational Leadership. To obtain a Colorado principal or administrator license, students must have a master's degree or higher, complete a principal and/or administrator license program, and satisfactorily pass the appropriate PRAXIS exam. Students desiring a principal's or administrator's license must work with the UNC licensure office for program verification when they have completed their coursework.

Program Requirements:

Admission materials for review by the faculty include a current resume, copies of educator licenses, scholarly writing sample, and a statement of goals in addition to the other information in the online UNC application system for graduate student admission. Students are admitted each fall semester. Applicants may be asked to complete an online interview with the Educational Leadership program faculty.

Students who complete the application process by February 15 are given priority screening for fall admissions of that year and have increased opportunities for financial assistance.

The doctoral program expands upon the foundation gained in study for the master's, specialist, and/or licensure programs. It provides opportunities for candidates to develop breadth in understanding leadership, policy, and research methodologies, and also depth in one or more areas of specialization. The focus of this program is the refinement of students' understandings of leadership and policy development and analysis, ultimately culminating in the dissertation. The dissertation is meant to address a problem of practice in educational leadership.

Entering doctoral students who already possess a Master's Degree in Educational Leadership or a related field complete a minimum of 64 semester hours of graduate credit beyond the master's degree. Students with an Educational Specialist's degree enroll in a minimum of 42 semester hours beyond the specialist's degree. These semester hour requirements are minimum expectations for students' performance. Credit requirements are a function of the types of learning experiences needed by students to achieve their goals.

DEGREE REQUIREMENTS — 64 CREDITS

Educational Leadership Core — 21 hours

ELPS 608	Issues in Educational Leadership: Implications for Practice	3
ELPS 666	Planning and Change in Education	3
ELPS 667	Leadership at the District Level	3
ELPS 751	Doctoral Core I	6
ELPS 752	Doctoral Core II	6

Specialization Area — 9 hours

Coursework that relates directly to goals as educational leaders (e.g., building level leadership, central office leadership, special education, educational technology).

Field Based Learning — 6 hours

Select one or both of the following courses:

ELPS 606	Internship in Educational Leadership	1-9
ELPS 695	Practicum in Educational Leadership	1-3

Research Core — 12 hours minimum

ELPS 754	Research in Educational Leadership	3
SRM 602	Statistical Methods I	3

Select research electives from the following courses (or equivalents approved by the doctoral committee) (6 hours):

PSY 674	Measurement I: Classical Test Theory	3
SRM 603	Statistical Methods II	3
SRM 670	Evaluation: Models and Designs	3
SRM 680	Introduction to Qualitative Research	3
SRM 700	Advanced Research Methods	3

Research Proposal/Dissertation — 16 hours

ELPS 797	Doctoral Proposal Research	1-4
ELPS 799	Doctoral Dissertation in Educational Leadership and Policy Studies	1-12

Deficiencies or Additional Elective Courses

ELPS 650	School Finance and Budgeting	3
ELPS 654	Instructional Leadership and Supervision	3
ELPS 660	Law and the Administrator	3
ELPS 665	Policy Analysis and Development	3
ELPS 670	The Principalship: Leadership at the School Site Level	3

EDUCATIONAL PSYCHOLOGY PH.D.**PROGRAM OVERVIEW****College of Education and Behavioral Sciences**

General Doctoral Degree Admission Requirements (p. 18)

Director: Carl E. Granrud, Ph.D.

Location: McKee 0014

Telephone: 970.351.2957

Website: www.unco.edu/cebs/psychological-sciences/

The overall goal of the program is to produce university instructors and scholars capable of original basic and applied research in psychological and educational processes.

There is considerable emphasis on research training within the program. Research topics of the faculty include learning, cognition, motivation, development, measurement, assessment, and social and cultural process with applications to formal and informal educational settings.

All students will take 15 credits of Foundation courses covering key disciplines within the field of Educational Psychology, including cognition and instruction, motivation, cultural issues, measurement, and development. In addition, students will take courses in the Research Core as well as Research Tool I (Quantitative Methods) and Research Tool II (Qualitative Methods) in order to gain the research skills, knowledge, and expertise to support their scholarly work while in the doctoral program. Finally, the student is given the opportunity to specialize their content knowledge and skills by selecting three courses of their choice, in consultation with their advisor.

All students must take the common core concentration area and electives in consultation with the advisor. Students must take a minimum of 68 hours to graduate. A doctoral minor is also available.

Comprehensive Exams

Doctoral students take comprehensive examinations when they have fulfilled the requirements of the graduate school and are considered prepared by their advisor. Specific procedures for written comprehensives and oral defense of the comprehensives are available from the program website or the program office.

Research Tools

Ph.D. students in Educational Psychology must demonstrate competency in two research tools, as required by the UNC Graduate School. Those tools, as indicated above, are measurement and assessment, qualitative research methods, or another approved area.

Deficiencies

Upon entrance to the Ph.D. program, a candidate must be able to satisfy the core course requirements (or the equivalent) for the M.A. degree in education psychology, or must take additional courses to meet those requirements. Doctoral program courses may have prerequisites that necessitate a student's program credits to be above the 68-credit minimum.

Master's Degree en route to the Ph.D.

Students may apply for admission to the Ph.D. in Education Psychology and complete their M.A. in Education Psychology on the way to the doctoral degree. The application process and the admission criteria are the same as for the Ph.D. program. Once admitted, students will complete the 30-credit MA program. See Educational Psychology for more information. Students must complete all program requirements (including Comprehensive Examination) for the M.A. in addition to the minimum 68 credit hours required for the Ph.D. Students must be conferred with the M.A. degree prior to admission to doctoral candidacy.

DEGREE REQUIREMENTS — 68 CREDITS

Proseminar — 3 credits

PSY 705	Proseminar in Doctoral Studies	3
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Foundations — 12 credits

PSY 630	Advanced Child and Adolescent Psychology	3
PSY 644	Motivation in Education	3
PSY 654	Seminar in College Teaching	3
PSY 681	Learning and Instruction	3

Diversity and Cultural Awareness — 3 credits

Select ONE of the following options:

ECLD 593	Language, School and Society	3
ECLD 602	Teaching Culturally Linguistically Diverse and Bilingual Learners	3
EDF 777	Social Justice in Education Reform	3
ET 527	Social Justice in the Digital Age	3
HESA 655	Multiculturalism in Higher Education and Student Affairs	3
HESA 665	International Higher Education and Student Affairs	3
PSY 640	Cultural Issues in Education Psychology	3

Doctoral Seminar — 1 credit

PSY 710	Advanced Doctoral Seminar	1
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Research Core — 12 credits

PSY 663	Apprenticeship	1-3
PSY 674	Measurement I: Classical Test Theory	3
SRM 603	Statistical Methods II	3
SRM 700	Advanced Research Methods	3

PSY 663: Take 3 credits.

Research Tools — 12 credits

Total credits from Research Tool I and II must add up to 12 credits.

Research Tool I: Quantitative Methods — 6-9 credits

Take the following course:

SRM 610	Statistical Methods III	3
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Optional additional courses:

PSY 675	Measurement II: Contemporary Test Theory	3
SRM 608	Experimental Design	3
SRM 625	Applied Multiple Regression Analysis	3
SRM 626	Applied Multilevel Modeling	3
SRM 627	Survey Research Methods	3
SRM 629	Structural Equation Modeling	3

Research Tool II: Qualitative Methods — 3-6 credits

Take the following course:

SRM 680	Introduction to Qualitative Research	3
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Optional additional courses:

SRM 685	Educational Ethnography	3
SRM 686	Qualitative Case Study Research	3
SRM 687	Narrative Inquiry	3

Coursework for Specialization — 9 credits

Choose 9 credits of the following courses:

PSY 575	Educational Assessment	3
PSY 595	Special Topics in Psychology	1-5
PSY 622	Directed Studies	1-3
PSY 664	Advanced Social Psychology	3
PSY 675	Measurement II: Contemporary Test Theory	3
PSY 693	Research Practicum	1-3
PSY 694	Practicum	3
PSY 695	Special Topics in Educational Psychology	1-3

Dissertation — 16 credits

PSY 797	Doctoral Proposal Research	1-4
PSY 799	Doctoral Dissertation	1-12

PSY 797: Take 4 credits.

PSY 799: Take 12 credits.

EDUCATIONAL STUDIES ED.D.

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Doctoral Degree Admission Requirements (p. 18)

Director: Jingzi (Ginny) Huang, Ph.D.

Location: McKee 216

Telephone: 970.351.2908

Website: www.unco.edu/cebs/teacher-education/

The Ed.D. in Educational Studies prepares candidates to understand the relationship among research, policy, and practice in education in order to contribute to reforming educational systems. Candidates complete an educational studies core, a multidisciplinary cognate, a research core, and a dissertation. The program prepares candidates to assume roles as university faculty members, educational leaders in school districts and state and federal agencies, district level curriculum specialists, and to assume leadership roles in nonprofit and private sectors.

Administered by the School of Teacher Education (p. 85). The degree prepares candidates to understand the relationship among research, policy, and practice in education in order to contribute to reforming educational systems. Candidates are expected to assume roles as university faculty members, educational leaders in school districts and state and federal agencies, district level curriculum specialists, and to assume leadership roles in nonprofit and private sectors. Programs of study for degree candidates will be individualized to meet candidate's career goals. The extent of an individual's program will be dependent upon previous college work and professional experience, but the minimum is 64 credits

DEGREE REQUIREMENTS — 64 CREDITS

Educational Studies Core — 12 hours

EDF 670	Introduction of Research Literature	3
EDF 685	Philosophical Foundations of Education	3
EDF 700	Implementation and Evaluation of Curriculum	3
EDF 701	Doctoral Seminar	1

EDF 701: Take at least 3 times

Research Core — 12 hours

(Coursework completed previously may be substituted for related research courses, within limits allowed by Graduate School)

EDF 610	Teacher Research	3
SRM 680	Introduction to Qualitative Research	3

Take two from among the following:

Substitutions may be coordinated with your advisor.

EDF 795	Comprehensive Seminar	3
SRM 602	Statistical Methods I	3
SRM 603	Statistical Methods II	3
SRM 641	Special Topics	1-4
SRM 685	Educational Ethnography	3
SRM 700	Advanced Research Methods	3

SRM 641: with advisor consent

Multidisciplinary cognate — 24 hours

Candidates will design the cognate with the assistance of their program advisor.

Possible Cognates:

- Curriculum Studies
- Reading
- Mathematics Education
- Bilingual, Multicultural, and ESL Education
- Innovation and Education Reform

Dissertation — 16 hours

EDF 797	Doctoral Proposal Research	1-4
EDF 799	Doctoral Dissertation	1-12

EDF 797: Take 4 hours

EDF 799: Take 12 hours

Scholarly paper requirement

Students are required to submit for publication one paper to a professional journal prior to dissertation proposal hearing. Other research endeavors prior to the dissertation are encouraged. Students may take EDF 795 Comprehensive Seminar to support the writing of a scholarly paper.

EDUCATIONAL TECHNOLOGY PH.D.

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Doctoral Degree Admission Requirements (p. 18)

Director: Jingzi (Ginny) Huang, Ph.D.

Location: McKee 216

Telephone: 970.351.2908

Website: www.unco.edu/cebs/teacher-education/

The Doctor of Philosophy in Educational Technology provides a terminal degree in educational technology that culminates in a dissertation of original research in the field. Graduates work in a variety of learning contexts (PK-12, higher education, online environments, military training, business/organizational, and international settings) as professors, researchers, consultants, innovation officers,

and scholars. Collaborative research, design, teaching, and other scholarly projects are encouraged among students and faculty. The program is research-focused and designed to be rigorous but practical. Students are expected to engage in theoretical and practical experiences throughout the program documented in the comprehensive exam process.

Once admitted, the student will work closely with their academic advisor to develop a plan of study that meets the individual professional needs. While all students are expected to complete the core content and research courses, electives are selected to tailor the program to meet various professional foci within the field of educational technology. Once admitted to a program, students must maintain a satisfactory grade point average of 3.2.

MA en route to Ph.D.

Site: Greeley

Mode: In-person and online (for Master-level courses)

Start terms: Summer, Fall, Spring

A student who has been admitted into the Educational Technology Ph.D. program may complete the ET Master's degree en route to completion of the doctoral degree. Students are required to submit a plan of study for both the master's and doctoral degrees. Once admitted to the Ph.D., students seeking the MA en route to the Ph.D. will complete the 30 credit MA program but may participate in doctoral classes concurrently. Students must complete all program requirements (including the comprehensive examination) for the MA degree in addition to the minimum requirements for the Ph.D. No courses applied to the Educational Technology MA degree may be used in the Educational Technology Ph.D. plan of study. Students must be conferred with the MA degree prior to admission to doctoral candidacy.

Comprehensive Exam Expectations

Students must complete both Phase I and Phase II of the Comprehensive Exam Expectations in order to schedule a Comprehensive Oral Exam with the Graduate School. It is encouraged to complete Phase I prior to beginning Phase II, but it is acceptable to complete both Phases in the same semester. Phase II cannot be completed in a semester prior to the completion of Phase I.

Phase I - Electronic Showcase Portfolio

Students will work on constructing an electronic portfolio over the duration of their coursework. The expectation is that coursework may contribute to the items showcased in the portfolio, however, work beyond the course assignments is expected. Work conducted outside of a course is also acceptable. The portfolio is divided into 5 areas and may be completed in any order.

5 areas of portfolio:

1. Applications of Educational Technology

2. Engagement in Research Practices
3. Demonstration of Innovative Pedagogy
4. Participation in Professional Collaboration
5. Awareness of Critical, Social, and Global Perspectives

Phase II - Written Exam

Students will complete a take-home written exam consisting of two questions. The exam will be conducted over a set two-week period each semester.

Dissertation Format Options

- Traditional 5-chapter format consists of Introduction, Literature Review, Method, Findings, and Discussion.
- Articles format consisting of Introduction, Literature Review, Method, at least three chapters containing one Publishable Article each, and Conclusion.

DEGREE REQUIREMENTS — 67 CREDITS

Content Core — 15 Credits

ET 720	Doctoral Seminar	3
ET 721	Learning Theories and Technology Integration	3
ET 723	Global & Cultural Perspectives in Educational Technology	3
ET 725	Critical Theory and Research in Educational Technology	3

Select one of the following:

PSY 644	Motivation in Education	3
PSY 674	Measurement I: Classical Test Theory	3
PSY 681	Learning and Instruction	3

Research Core — 21 credits

ET 700	Methods of Research in Instructional Design and Educational Technology I	3
ET 701	Methods of Research in Instructional Design and Educational Technology II	3
SRM 602	Statistical Methods I	3
SRM 680	Introduction to Qualitative Research	3
SRM 700	Advanced Research Methods	3

Select 6 credits from the following:

SRM 603	Statistical Methods II	3
SRM 627	Survey Research Methods	3
SRM 685	Educational Ethnography	3
SRM 686	Qualitative Case Study Research	3
SRM 687	Narrative Inquiry	3

Or, other advanced statistical or research methods courses with advisor.

Electives — 15 credits

Select 15 credits of graduate ET courses in consultation with an advisor. The below courses are recommended.

ET 740	Innovations in Technology and Education	3
ET 749	Gaming and Application Design	3
ET 731	Advanced Instructional Design Theory, Research and Practice	3
ET 733	Case Studies in Instructional Design and Performance Technology	3

Comprehensive Exam (no credit)

Students demonstrate a menu of competencies in an electronic portfolio and respond to two exam questions. Students showcase competencies during the oral defense.

Dissertation — 16 credits

ET 797	Doctoral Proposal Seminar	1-4
ET 799	Doctoral Dissertation	1-12

ET 797: Take 4 credits.

ET 799: Take 12 credits.

Program Notes

Students are required to complete a minimum of one academic year of field-based engagement related to future professional aspirations. Students are encouraged to work with faculty on research, attend and present at conferences, and publish papers in scholarly journals.

MATHEMATICS EDUCATION PHD**PROGRAM OVERVIEW****College of Natural and Health Sciences**

General Doctoral Degree Admission Requirements (p. 18)

Contact: Jodie Novak, Ph.D., Department Chair

Location: Ross Hall 2239

Telephone: 970.351.2820

Website: www.unco.edu/nhs/mathematical-sciences/

This program is designed for graduate students interested in specializing in mathematics teaching and learning in grades 6-14. Our innovative approach to mathematical pedagogy assumes that a deep understanding of mathematics is fundamental to teaching mathematics, for engaging in mathematics education research, and for supporting reform in mathematics education. The program has three major strands: mathematics, mathematics education, and preparing grades 6-14 mathematics teachers. This program is suited to secondary mathematics teachers who want to continue their education and move into mathematics leadership jobs in K-12 education or a faculty position in higher education, as well as to those

with graduate work in mathematics who want to focus on research in mathematics education.

Graduates of the program will be able to teach mathematics at several levels, perform research, engage in and further ongoing efforts to improve mathematics education for all students, and serve as leaders in mathematics education.

DEGREE REQUIREMENTS — 64-73 CREDITS**Mathematics Content Core — 18-21 semester hours****A. Required Courses: 9 hours**

MATH 709	Abstract Algebra I	3
MATH 735	Real Analysis	3
MATH 743	Modern Geometry	3

B. Elective Courses: 9-12 hours chosen from the following courses

MATH 622	Directed Studies	1-4
MATH 695	Special Topics	1-4
MATH 723	Abstract Algebra II	3
MATH 728	Topics in Discrete Mathematics	3
MATH 732	Complex Variables	3
MATH 733	Geometric Analysis	3
MATH 738	Mathematical Modeling	3
MATH 778	Mathematical Logic	3
MATH 795	Special Topics	1-4

Mathematics Education Core — 18-21 semester hours**A. Required Courses: 12 hours**

MED 731	Learning Theories in Mathematics Education	3
MED 732	Mathematics Curriculum Design	3
MED 733	Models of Teaching in Mathematics	3
MED 740	Equity in Mathematics Education	3

B. Elective Courses: 6-9 hours chosen from the following courses. Advisor must approve courses.

MED 622	Directed Studies	1-3
MED 678	Special Topics	2-3
MED 750	History and Philosophy of Mathematics Education	3
MED 751	Teaching Mathematical Sciences Mentorship	3
MED 753	Theory to Practice in Mathematical Sciences Mentorship	3
ECLD 601	Language, Linguistics, and Education	3
EDF 685	Philosophical Foundations of Education	3
EDF 700	Implementation and Evaluation of Curriculum	3
EDF 775	History of Education Reform and Change	3
EDF 777	Social Justice in Education Reform	3
PSY 575	Educational Assessment	3

PSY 640	Cultural Issues in Education Psychology	3
PSY 644	Motivation in Education	3

Required Research Content Course — 12 semester hours

MED 752	Research in Mathematics Education Mentorship	3
SRM 602	Statistical Methods I	3
SRM 680	Introduction to Qualitative Research	3
SRM 700	Advanced Research Methods	3

Research Proposal/Dissertation — 16-19 semester hours

MATH 797	Doctoral Proposal Research	1-4
MATH 799	Doctoral Dissertation	1-12

MATH 797: Must take 4 credits but they can be split between different semesters.

MATH 799: Must take 12-15 credits but they can be split between different semesters.

Research Tools

This program includes the following required research tools: (A) Applied Statistics, which is fulfilled by successful completion of SRM 602 (3 hours); (B) Research Methods, which is fulfilled by successful completion of SRM 680 and 700 (6 total). These requirements will be satisfied by successfully completing the courses already required above.

Program Notes

Students in this program must pass written comprehensive exams in mathematics and mathematics education followed by an oral comprehensive exam over their entire program. A document describing examination procedures may be obtained from the program office or the program website.

A student in this program is required to write a scholarly dissertation. Dissertation topics may range from mathematics with pedagogical applications to topics in education mathematics such as cognitive process, educational reform, and instructional issues.

MUSIC D.A.**PROGRAM OVERVIEW****College of Performing and Visual Arts**

General Doctoral Degree Admission Requirements (p. 18)

Interim Director: Melissa Malde, D.M.A.

Interim Associate Director: Carissa Reddick, Ph.D.

Location: Frasier Hall 108

Telephone: 970.351.2993

Website: arts.unco.edu/music/

Graduate Coordinator: Carissa Reddick, Ph.D.

Select from four concentrations listed below

- Collaborative Piano Concentration
- Conducting Concentration
- Jazz Studies Concentration
- Music Performance Concentration

Doctor of Arts in Music candidates will take written and oral comprehensive examinations at a time approved by the major advisor.

Each new student entering a graduate program in music at the University of Northern Colorado is required to take graduate advisory examinations in Music History and writing skills, and placement examinations in Music Theory and Aural Skills, and the student's major area. Graduate students who do not pass the theory placement exam must enroll in MUS 401. Graduate students who do not pass the aural skills placement exam must enroll in MUS 402. All students must either pass the theory and aural skills exam OR pass; MUS 401 and/or; MUS 402 with a grade of C or better before they can enroll in graduate-level theory classes or graduate from their programs.

The Doctor of Arts degree provides options for advanced study in the areas of music history and literature, composition, conducting, and performance (with an optional concentration in pedagogy).

The Doctor of Arts in Music at UNC is part of the Western Regional Graduate Program (WRGP) established by the Western Interstate Commission for Higher Education (WICHE). In most cases, WRGP students pay tuition at resident student rates; prospective D.A. students may direct inquiries concerning the WRGP to the School of Music.

For additional information, see "Doctor of Arts Sequence and Check List" published by the School of Music.

DEGREE REQUIREMENTS — 67-71 CREDITS**Required Concentration Credits — 3-9 hours**

MUS 623	Individual Studies in Effective Teaching	1-3
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MUS 794	Supervised Practicum in College Teaching	2
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MUS 623: Take 1-3 credits

MUS 794: Take 2-6 credits

Primary Concentration — 18 hours

The primary concentration area develops a major scholarly and/or performing function for the college and university level in Conducting, Collaborative Piano, Jazz Studies, or Music Performance (with an optional concentration in Pedagogy). Courses are selected by advisement based upon candidate's area of focus and upon the candidate's needs identified through the advisory examinations.

Secondary Concentration — 8-10 hours

This area develops a scholarly and/or performing concentration in an approved secondary area: Chamber Music, Collaborative Piano, Conducting, Jazz Composition, Jazz Pedagogy, Jazz Studies, Music Composition, Music Education, Music History and Literature, Music Performance, Music Theory, Opera Stage Direction, Piano Pedagogy, Vocal Pedagogy, or related areas outside Music with appropriate graduate-level coursework. In addition to coursework, students shall complete a research or creative project as part of the secondary concentration. The secondary concentration and its courses are selected by the candidate with the approval of the program advisor and a secondary concentration advisor.

Elective Credits — 4-7 hours

Research core concentration determined by study in primary area

- Collaborative Piano, Conducting, Performance Concentrations OR
- Jazz Studies Concentration

1. Research Core — 15 hours (Collaborative Piano, Conducting, Performance Concentrations)

MUS 700	Introduction to Doctoral Research	3
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Select two Courses (6 hours) (music history exam)

MUS 507	History of Instruments and Instrumental Practices	3
MUS 643	Seminar: Medieval Music	3
MUS 644	Seminar: Music in the Renaissance	3
MUS 645	Seminar: The Baroque Period	3
MUS 646	Seminar: The Classic Period	3
MUS 647	Seminar: The Romantic Period	3
MUS 651	Seminar in Music History: Debussy to 1945	3
MUS 652	Seminar in Music History: 1945 to the Present	3

Music history exam: Dependent upon results of advisory exams

Select two Courses (6 hours) (music theory exam)

MUS 501	18th Century Counterpoint	3
MUS 502	Harmony and Form	3
MUS 503	Post-Tonal Music	3
MUS 505	Sixteenth Century Counterpoint	3
MUS 595	Music Theory Seminar	3
MUS 603	Analytical Studies in Music	3
MUS 604	Linear Analysis	3

Music theory exam: Dependent upon results of advisory exams

2. Research Core - 16 hours (Jazz Studies Concentration)

MUS 700	Introduction to Doctoral Research	3
MUS 527	Advanced Jazz Theory	2
MUS 544	Seminar in Jazz History	3
MUS 585	Advanced Jazz Improvisation	2

Select one Course (3 hours) (music history exam)

MUS 507	History of Instruments and Instrumental Practices	3
MUS 643	Seminar: Medieval Music	3
MUS 644	Seminar: Music in the Renaissance	3
MUS 645	Seminar: The Baroque Period	3
MUS 646	Seminar: The Classic Period	3
MUS 647	Seminar: The Romantic Period	3
MUS 651	Seminar in Music History: Debussy to 1945	3
MUS 652	Seminar in Music History: 1945 to the Present	3

Music history exam: Dependent upon results of advisory exams

Select one Course (3 hours) (music theory exam)

MUS 501	18th Century Counterpoint	3
MUS 502	Harmony and Form	3
MUS 503	Post-Tonal Music	3
MUS 505	Sixteenth Century Counterpoint	3
MUS 595	Music Theory Seminar	3
MUS 603	Analytical Studies in Music	3
MUS 604	Linear Analysis	3

Music theory exam: Dependent upon results of advisory exams

Research Proposal/Dissertation — 16 hours

MUS 797	Doctoral Proposal Research	1-4
MUS 799	Doctoral Dissertation	1-12

MUS 797: Take 4 credits

MUS 799: Take 12 credits

NOTES: *The hours allotted to the doctoral dissertation may be divided between performance and dissertation requirements according to the plan of study as outlined and approved by the candidate's committee.*

Performance, Conducting, Jazz Studies, and Collaborative Piano majors will perform two recitals for 8 semester

hours and complete a four semester hour dissertation. Students seeking the D.A. in Music Education, Music History and Literature or Composition will complete a 12-hour dissertation.

Program Notes

Composition majors will present a recital of their compositions written as part of their degree program.

A reading knowledge of one foreign language (typically French, German or Italian) is required by the following areas: brass, history and literature (a second language may be required through advisement), piano, strings, theory and composition, voice, woodwinds and instrumental conducting. Students in the areas of choral conducting and vocal performance should have skills in translation of vocal literature in one foreign language (French, German or Italian) as well as diction mastery of all three. In the woodwind and jazz studies areas a substitute research tool may be permitted after consultation and approval by the candidate's committee. For the collaborative piano concentration, language proficiency will be examined upon entry. Candidates must demonstrate pronunciation proficiency in French, German, Italian and the International Phonetic Alphabet as well as reading proficiency in French, German, and Italian. Candidates with deficiencies will meet with their major advisor and other appropriate faculty to determine the best way to remedy those deficiencies. Students should contact the Graduate Coordinator or appropriate area faculty to clarify language requirements.

The candidate must complete two consecutive semesters (minimum of 9 semester credit hours per semester) of graduate work on the University of Northern Colorado campus in order to satisfy the Doctor of Arts residency requirement.

The Program Advisor or Graduate Coordinator will provide information concerning how the student's oral and research committees are formed, the student's responsibility in the committee process and the means of scheduling comprehensive examinations and the doctoral defense.

The Music Performance Concentration has an optional concentration in pedagogy.

MUSIC D.A. – MUSIC COMPOSITION CONCENTRATION

PROGRAM OVERVIEW

College of Performing and Visual Arts

General Doctoral Degree Admission Requirements (p. 18)

Interim Director: Melissa Malde, D.M.A.

Interim Associate Director: Carissa Reddick, Ph.D.

Location: Frasier Hall 108

Telephone: 970.351.2993

Website: arts.unco.edu/music/

Graduate Coordinator: Carissa Reddick, Ph.D.

Doctor of Arts in Music candidates will take written and oral comprehensive examinations at a time approved by the major advisor.

Each new student entering a graduate program in music at the University of Northern Colorado is required to take graduate advisory examinations in Music History and writing skills, and placement examinations in Music Theory and Aural Skills, and the student's major area. Graduate students who do not pass the theory placement exam must enroll in MUS 401. Graduate students who do not pass the aural skills placement exam must enroll in MUS 402. All students must either pass the theory and aural skills exam OR pass; MUS 401 and/or; MUS 402 with a grade of C or better before they can enroll in graduate-level theory classes or graduate from their programs.

The Doctor of Arts degree provides options for advanced study in the areas of music history and literature, composition, conducting, and performance (with an optional concentration in pedagogy).

The Doctor of Arts in Music at UNC is part of the Western Regional Graduate Program (WRGP) established by the Western Interstate Commission for Higher Education (WICHE). In most cases, WRGP students pay tuition at resident student rates; prospective D.A. students may direct inquiries concerning the WRGP to the School of Music.

For additional information, see "Doctor of Arts Sequence and Check List" published by the School of Music.

DEGREE REQUIREMENTS — 70 CREDITS

Primary Concentration — 18 hours

The primary concentration area develops a focused scholarly and/or creative and pedagogical expertise to professional levels in Music Composition. Courses are selected by advisement based upon candidate's area of focus and upon the candidates needs identified through the advisory examination.

Secondary Concentration — 10 hours**Elective Credits — 5 hours****Research and Pedagogy Core — 21 hours**

MUS 504	Music Theory Pedagogy	3
MUS 649	Music History Pedagogy	3
MUS 700	Introduction to Doctoral Research	3

Select two courses (6 hours) (music history advisory exam)

Period Seminars in Music History

MUS 507	History of Instruments and Instrumental Practices	3
MUS 643	Seminar: Medieval Music	3
MUS 644	Seminar: Music in the Renaissance	3
MUS 645	Seminar: The Baroque Period	3
MUS 646	Seminar: The Classic Period	3
MUS 647	Seminar: The Romantic Period	3
MUS 651	Seminar in Music History: Debussy to 1945	3
MUS 652	Seminar in Music History: 1945 to the Present	3

Music history exam: Dependent upon results of advisory exams

Select two courses (6 hours) (music theory exam)

Graduate Music Theory and Analysis

MUS 501	18th Century Counterpoint	3
MUS 502	Harmony and Form	3
MUS 503	Post-Tonal Music	3
MUS 505	Sixteenth Century Counterpoint	3
MUS 595	Music Theory Seminar	3
MUS 603	Analytical Studies in Music	3
MUS 604	Linear Analysis	3

Music theory exam: Dependent upon results of advisory exams

Research Proposal/Dissertation — 16 hours

MUS 797	Doctoral Proposal Research	1-4
MUS 799	Doctoral Dissertation	1-12

MUS 797: Take 4 credits

MUS 799: Take 12 credits

NOTES: *The hours allotted to the doctoral dissertation may be divided between performance and dissertation requirements according to the plan of study as outlined and approved by the candidate's committee.*

Performance, Conducting, Jazz Studies, and Collaborative Piano majors will perform two recitals for 8 semester hours and complete a four semester hour dissertation. Students seeking the D.A. in Music Education, Music History and Literature or Composition will complete a 12-hour dissertation.

Program Notes

Composition majors will present a recital of their compositions written as part of their degree program.

A reading knowledge of one foreign language (typically French, German or Italian) is required by the following areas: brass, history and literature (a second language may be required through advisement), piano, strings, theory and composition, voice, woodwinds and instrumental conducting. Students in the areas of choral conducting and vocal performance should have skills in translation of vocal literature in one foreign language (French, German or Italian) as well as diction mastery of all three. In the woodwind and jazz studies areas a substitute research tool may be permitted after consultation and approval by the candidate's committee. For the collaborative piano concentration, language proficiency will be examined upon entry. Candidates must demonstrate pronunciation proficiency in French, German, Italian and the International Phonetic Alphabet as well as reading proficiency in French, German, and Italian. Candidates with deficiencies will meet with their major advisor and other appropriate faculty to determine the best way to remedy those deficiencies. Students should contact the Graduate Coordinator or appropriate area faculty to clarify language requirements.

The candidate must complete two consecutive semesters (minimum of 9 semester credit hours per semester) of graduate work on the University of Northern Colorado campus in order to satisfy the Doctor of Arts residency requirement.

The Program Advisor or Graduate Coordinator will provide information concerning how the student's oral and research committees are formed, the student's responsibility in the committee process and the means of scheduling comprehensive examinations and the doctoral defense.

The Music Performance Concentration has an optional concentration in pedagogy.

**MUSIC D.A. – MUSIC EDUCATION
CONCENTRATION****PROGRAM OVERVIEW****College of Performing and Visual Arts**

General Doctoral Degree Admission Requirements (p. 18)

Interim Director: Melissa Malde, D.M.A.

Interim Associate Director: Carissa Reddick, Ph.D.

Location: Frasier Hall 108

Telephone: 970.351.2993

Website: arts.unco.edu/music/

Graduate Coordinator: Carissa Reddick, Ph.D.

Doctor of Arts in Music candidates will take written and oral comprehensive examinations at a time approved by the major advisor.

This program emphasizes philosophy, psychology, contemporary and past history, and research. It also includes scholarship and musicianship through study in the areas of music history and literature, theory, composition, and performance.

This program area places primary emphasis on a comprehensive working knowledge of contemporary music education practices in public schools and college music programs, and/or community cultural life.

Each new student entering a graduate program in music at the University of Northern Colorado is required to take graduate advisory examinations in Music History and writing skills, and placement examinations in Music Theory and Aural Skills, and the student's major area. For students entering the Music Education degree, the major area will be Music Education. Graduate students who do not pass the theory placement exam must enroll in MUS 401. Graduate students who do not pass the aural skills placement exam must enroll in MUS 402. All students must either pass the theory and aural skills exam OR pass; MUS 401 and/or; MUS 402 with a grade of C or better before they can enroll in graduate-level theory classes or graduate from their programs.

The Doctor of Arts degree provides options for advanced study in the areas of music history and literature, composition, conducting, and performance (with an optional concentration in pedagogy).

The Doctor of Arts in Music at UNC is part of the Western Regional Graduate Program (WRGP) established by the Western Interstate Commission for Higher Education (WICHE). In most cases, WRGP students pay tuition at resident student rates; prospective D.A. students may direct inquiries concerning the WRGP to the School of Music.

For additional information, see "Doctor of Arts Sequence and Check List" published by the School of Music.

Prospective music education graduate students, in addition to following current Graduate School and School of Music application procedures, should submit the following directly to the Music Education Chair in order to be considered for admission to the UNC Music Education Graduate Program:

- One 30-45 minute video or DVD that is representative of the applicant's teaching abilities. Applicants should include a 10-15 minute performance segment that is representative of their performing ability on their primary instrument or voice. Applicants should select two pieces of contrasting style for the performance segment.

- Three letters of recommendation addressing teaching abilities, potential for success in graduate studies, musicianship, and collegiality.

DEGREE REQUIREMENTS — 66 CREDITS

Required Concentration Credits — 25 hours

Primary Concentration (15 hours)

EDF 640	Psychological Foundations of Education	3
EDF 685	Philosophical Foundations of Education	3
MUS 519	Foundations of Music Education	3
MUS 533	Curriculum Trends in Music Education	3
MUS 612	Psychology of Music Teaching and Learning	3

Secondary Concentration (10 hours)

Elective Credits — 13 hours

Electives will be selected by advisement based on candidate's needs identified through advisory examination and special interests. Electives may be selected from courses offered by the School of Music, or from areas outside of music, such as Educational Administration, Special Education or Psychology.

Research Core — 12 hours

MUS 610	Research in Music Education	3
MUS 700	Introduction to Doctoral Research	3
SRM 602	Statistical Methods I	3
SRM 603	Statistical Methods II	3

Research Proposal/Dissertation — 16 Hours

MUS 797	Doctoral Proposal Research	1-4
MUS 799	Doctoral Dissertation	1-12

MUS 797: Take 4 credits

MUS 799: Take 12 credits

NOTE: The dissertation should include goals such as extension of the student's knowledge and improvement of their teaching ability in the field, development of new knowledge that will contribute to music education and implementation of music education theory to the practical aspects of ongoing school music programs.

Secondary Concentration courses may be selected from courses offered by the School of Music, or from areas outside of music, such as educational leadership, special education or psychology. A project integrating one or more subject areas with music education will be part of the secondary concentration expectation. The project is given on a directed study basis and may be extended into the framework of the dissertation.

MUSIC D.A. – MUSIC HISTORY AND LITERATURE CONCENTRATION

PROGRAM OVERVIEW

College of Performing and Visual Arts

General Doctoral Degree Admission Requirements (p. 18)

Interim Director: Melissa Malde, D.M.A.

Interim Associate Director: Carissa Reddick, Ph.D.

Location: Frasier Hall 108

Telephone: 970.351.2993

Website: arts.unco.edu/music/

Graduate Coordinator: Carissa Reddick, Ph.D.

Doctor of Arts in Music candidates will take written and oral comprehensive examinations at a time approved by the major advisor.

Each new student entering a graduate program in music at the University of Northern Colorado is required to take graduate advisory examinations in Music History and writing skills, and placement examinations in Music Theory and Aural Skills, and the student's major area. Graduate students who do not pass the theory placement exam must enroll in MUS 401. Graduate students who do not pass the aural skills placement exam must enroll in MUS 402. All students must either pass the theory and aural skills exam OR pass; MUS 401 and/or; MUS 402 with a grade of C or better before they can enroll in graduate-level theory classes or graduate from their programs.

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DEGREE REQUIREMENTS — 70 CREDITS

Primary Concentration — 18 hours

The primary concentration area develops a focused scholarly and/or creative and pedagogical expertise to professional levels in Music History and Literature. Courses are selected by advisement based upon candidate's area of focus and upon the candidates needs identified through the advisory examination.

Secondary Concentration — 10 hours

Elective Credits — 5 hours

Research and Pedagogy Core — 21 hours

MUS 504	Music Theory Pedagogy	3
MUS 649	Music History Pedagogy	3
MUS 700	Introduction to Doctoral Research	3

Select two courses (6 hours) (music history advisory exam)

Period Seminars in Music History

MUS 507	History of Instruments and Instrumental Practices	3
MUS 643	Seminar: Medieval Music	3
MUS 644	Seminar: Music in the Renaissance	3
MUS 645	Seminar: The Baroque Period	3
MUS 646	Seminar: The Classic Period	3
MUS 647	Seminar: The Romantic Period	3
MUS 651	Seminar in Music History: Debussy to 1945	3
MUS 652	Seminar in Music History: 1945 to the Present	3

Music history exam: Dependent upon results of advisory exams

Select two courses (6 hours) (music theory exam)

Graduate Music Theory and Analysis

MUS 501	18th Century Counterpoint	3
MUS 502	Harmony and Form	3
MUS 503	Post-Tonal Music	3
MUS 505	Sixteenth Century Counterpoint	3
MUS 595	Music Theory Seminar	3
MUS 603	Analytical Studies in Music	3
MUS 604	Linear Analysis	3

Music theory exam: Dependent upon results of advisory exams

Research Proposal/Dissertation — 16 hours

MUS 797	Doctoral Proposal Research	1-4
MUS 799	Doctoral Dissertation	1-12

MUS 797: Take 4 credits

MUS 799: Take 12 credits

NOTES: The hours allotted to the doctoral dissertation may be divided between performance and dissertation requirements according to the plan of study as outlined and approved by the candidate's committee.

Performance, Conducting, Jazz Studies, and Collaborative Piano majors will perform two recitals for 8 semester hours and complete a four semester hour dissertation. Students seeking the D.A. in Music Education, Music History and Literature or Composition will complete a 12-hour dissertation.

Program Notes

Composition majors will present a recital of their compositions written as part of their degree program.

A reading knowledge of one foreign language (typically French, German or Italian) is required by the following areas: brass, history and literature (a second language may be required through advisement), piano, strings, theory and composition, voice, woodwinds and instrumental conducting. Students in the areas of choral conducting and vocal performance should have skills in translation of vocal literature in one foreign language (French, German or Italian) as well as diction mastery of all three. In the woodwind and jazz studies areas a substitute research tool may be permitted after consultation and approval by the candidate's committee. For the collaborative piano concentration, language proficiency will be examined upon entry. Candidates must demonstrate pronunciation proficiency in French, German, Italian and the International Phonetic Alphabet as well as reading proficiency in French, German, and Italian. Candidates with deficiencies will meet with their major advisor and other appropriate faculty to determine the best way to remedy those deficiencies. Students should contact the Graduate Coordinator or appropriate area faculty to clarify language requirements.

The candidate must complete two consecutive semesters (minimum of 9 semester credit hours per semester) of graduate work on the University of Northern Colorado campus in order to satisfy the Doctor of Arts residency requirement.

The Program Advisor or Graduate Coordinator will provide information concerning how the student's oral and research committees are formed, the student's responsibility in the committee process and the means of scheduling comprehensive examinations and the doctoral defense.

The Music Performance Concentration has an optional concentration in pedagogy.

NURSING D.N.P. – FAMILY NURSE PRACTITIONER (FNP) CONCENTRATION (POST BACHELOR'S)

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Doctoral Degree Admission Requirements (p. 18)

Director: Melissa Henry, Ph.D.

Location: Gunter 3080

Telephone: 970.351.2293

Fax: 970.351.1707

Website: www.unco.edu/nhs/nursing/

Post Bachelor's in Nursing – Graduates are qualified to be recognized as a **Family Nurse Practitioner**, apply for national certification from the American Nurses Credentialing Center or American Academy of Nurse Practitioners, and be recognized as an Advanced Practice Registered Nurse (APRN) from the CO State Board of Nursing.

Family Nurse Practitioner (FNP) Concentration: The post-bachelor's DNP program is for BSN nurses who are interested in a practice-focused doctorate. You will be prepared as a clinical expert with a focus on the critical thinking, leadership and political policy skills needed to advocate and create changes in healthcare practice at the individual, population and organizational systems levels. BSN to DNP graduates will provide primary care health promotion and disease management for patients with episodic or chronic illnesses across the life span, focusing on the underserved.

The Doctor of Nursing Practice prepares expert clinicians for advanced practice roles in hospitals, primary care clinics, specialty settings such as long term care facilities, and virtually any area they wish to practice within the healthcare industry. These highly skilled practitioners will be the leaders in healthcare delivery and care management.

Specific exceptions to the Graduate School requirements for doctoral degrees have been approved. Due to the clinical focus of this degree, rigorous academic standards are maintained throughout the program. To earn the Nursing DNP degree, students will be required to complete a DNP Scholarly Project instead of a doctoral dissertation. DNP students must complete the following as a part of the requirements for the DNP degree: a DNP Scholarly Project Proposal and a formal Final Defense of the completed DNP Scholarly Project.

DEGREE REQUIREMENTS — 84 CREDITS

A minimum grade of 'B' or better or satisfactory in all nursing courses must be earned.

Nursing Science BS to D.N.P. Core — 22 hours

NURS 602	Theory for Advanced Practice Nurses	2
NURS 608	Advanced Health Care Concepts	3
NURS 618	Epidemiology in Advance Nursing Practice	3
NURS 658	Applied Nursing Genomics	3
NURS 668	Population Centered Health Care	3
NURS 678	Professional Practice and Healthcare Finance Seminar	3
NURS 700	Advanced Nursing Theory	2
NURS 707	Leadership in Health Policy	3

Nursing Practitioner Concentration — 16 hours

NURS 612	Advanced Pharmacology	4
NURS 613	Advanced Health Assessment	4
NURS 614	Advanced Pathophysiology	3

NURS 624	Health Promotion and Disease Prevention in Advanced Practice of Nursing	3
NURS 690	Advanced Professional Role	2
Nursing Practice FNP Concentration — 28 hours		
NURS 654	Acute Care of Adults	3
NURS 656	Care of Chronic Illness in Adults	3
NURS 674	Care of Women and Pediatric Populations	3
NURS 675	FNP Clinical I	4
NURS 676	FNP Advanced Clinical Topics	2
NURS 677	FNP Clinical II	4
NURS 669	FNP Clinical III	3
NURS 689	FNP Clinical Synthesis	1-6

Note: NURS 689: Take 6 hours

DNP Translational Research Core — 18 hours

NURS 606	Research and Evidence-based Practice in Nursing	3
NURS 616	Leadership in the Measurement of Clinical Outcomes for Advanced Nursing Practice	3
NURS 725	Translational Research Methods	3
NURS 726	Introduction to the DNP Scholarly Project	3
NURS 727	DNP Scholarly Project Proposal Development and Defense	3
NURS 798	DNP Scholarly Project	1-3

Note: NURS 798: Take 3 credits

NURSING D.N.P. (POST-MASTER'S)

PROGRAM OVERVIEW

College of Natural and Health Science

General Doctoral Degree Admission Requirements (p. 18)

Director: Melissa Henry, Ph.D.

Location: Gunter 3080

Telephone: 970.351.2293

Fax: 970.351.1707

Website: www.unco.edu/nhs/nursing/

The Doctor of Nursing Practice Post Master's concentration is designed for clinicians with an APRN certification. Graduates of the Doctor of Nursing Practice program will be prepared as clinical experts with a focus on the critical thinking, leadership and political policy skills needed to advocate and create changes in healthcare practice at the individual, population and organizational systems levels.

The Doctor of Nursing Practice prepares expert clinicians for advanced practice roles in hospitals, primary care clinics, specialty settings such as long term care facilities,

and virtually any area they wish to practice within the healthcare industry. These highly skilled practitioners will be the leaders in healthcare delivery and care management.

Specific exceptions to the Graduate School requirements for doctoral degrees have been approved. Due to the clinical focus of this degree, rigorous academic standards are maintained throughout the program. To earn the Nursing DNP degree, students will be required to complete a DNP Scholarly Project instead of a doctoral dissertation. DNP students must complete the following as a part of the requirements for the DNP degree: a DNP Scholarly Project Proposal and formal Final Defense of the completed DNP Scholarly Project.

DEGREE REQUIREMENTS — 44 CREDITS

A minimum grade of 'B' or better or satisfactory in all nursing courses must be earned.

DNP Major Core Courses — 17 hours

NURS 618	Epidemiology in Advance Nursing Practice	3
NURS 658	Applied Nursing Genomics	3
NURS 668	Population Centered Health Care	3
NURS 678	Professional Practice and Healthcare Finance Seminar	3
NURS 700	Advanced Nursing Theory	2
NURS 707	Leadership in Health Policy	3

Translational Research Core — 15 hours

NURS 616	Leadership in the Measurement of Clinical Outcomes for Advanced Nursing Practice	3
NURS 725	Translational Research Methods	3
NURS 726	Introduction to the DNP Scholarly Project	3
NURS 727	DNP Scholarly Project Proposal Development and Defense	3
NURS 798	DNP Scholarly Project	1-3

*Note - take 3 credits of NURS 798

Electives - 12 credits

12 credits of electives are required. Students may bundle into a graduate certificate of their choice, based on interest and approval by their faculty advisor. Eligible electives may include graduate level courses (500 - 700) offered through nursing (NURS), the CO School of Public Health, and Montfort College of Business.

The combined clinical hours from the masters APRN and the DNP must equal a minimum of 1000 hours. The masters APRN program clinical hours must be at a minimum equal to 750 clock hours. Any deficit in hours will be attained through the NURS 685 DNP Practicum course as determined by the DNP Program Coordinator and may alter the time to degree completion. Compliance requirements for clinical placements must also be met.

NURSING EDUCATION PH.D.**PROGRAM OVERVIEW****College of Natural and Health Sciences**

General Doctoral Degree Admission Requirements (p. 18)

Director: Melissa Henry, Ph.D.

Location: Gunter 3080

Telephone: 970.351.2293

Fax: 970.351.1707

Website: www.unco.edu/nhs/nursing/

The Doctor of Philosophy in Nursing Education prepares nurses who provide professional leadership in nursing education, the scholarship of teaching, practice and research in the discipline. The program has one entry option: Master's to Ph.D.

DEGREE REQUIREMENTS — 66 CREDITS**Master's to Ph.D. Requirements**

Students enter with a master's in nursing and complete the doctoral degree with 66 hours. The general plan of study for students who enter the doctoral program is listed below.

Nursing Science Master's to Ph.D. Core — 12 hours

NURS 702	Advanced Concepts of Populations Experiencing Vulnerability and/or Marginalization	3
NURS 703	Philosophical Underpinnings of Nursing Science	3
NURS 707	Leadership in Health Policy	3
NURS 711	Advanced Theory and Knowledge Development in Nursing	3

Nursing Education — 17 hours

NURS 710	Measurement of Nursing Student Outcomes	3
NURS 730	The Scholarship of Teaching and Practice in Nursing Education	2
NURS 741	Evidence-Based Teaching	3
NURS 760	Advanced Nursing Curriculum Design and Program Evaluation	3
NURS 780	The Professorial Role in Nursing Education	3
PSY 681	Learning and Instruction	3

Electives — 3 hours (with advisor's approval)

Three credits of electives are required and must be approved by their faculty advisor before enrollment. Eligible electives include NURS 679, PSY 500, PSY 644, SRM 660, SRM 687, ET 641, ET 643, ELPS 601, ELPS 604, ELPS 605, ELPS 608, ELPS 665.

NURS 679	Technology in Healthcare Education	3
PSY 500	Educational Psychology for Teachers	3

PSY 644	Motivation in Education	3
SRM 660	Mixed Methods Research	3
SRM 687	Narrative Inquiry	3
ET 641	Designing, Playing, and Learning	3
ET 643	Innovative Instructional Formats	3
ELPS 601	Leadership Development Through Inquiry	3
ELPS 604	Understanding People: Professional Development and Educational Leadership	3
ELPS 608	Issues in Educational Leadership: Implications for Practice	3
ELPS 665	Policy Analysis and Development	3

Research Core — 18 hours

NURS 723	Design, Methods and Analysis in Health Care Research, Part I	3
NURS 724	Design, Methods and Analysis in Health Care Research, Part II	3
NURS 777	Advanced Qualitative Research Methods in Nursing	3
NURS 790	Doctoral Research Colloquium	3
SRM 680	Introduction to Qualitative Research	3
SRM 700	Advanced Research Methods	3

Research and Dissertation — 16 hours

NURS 797	Doctoral Proposal Research	1-4
NURS 799	Doctoral Dissertation	1-12

Research Tools

Students must demonstrate research skills in areas pertinent to the dissertation research topic. The Students' competence in these skills will be assessed by the Students' oral exam committee and/or dissertation committee members.

SCHOOL PSYCHOLOGY PH.D.**PROGRAM OVERVIEW****College of Education and Behavioral Sciences**

General Doctoral Degree Admission Requirements (p. 18)

Chair: David Hulac, Ph.D.

Location: McKee 248

Telephone: 970.351.2731

Website: www.unco.edu/cebs/school-psychology/

The Ph.D. program is accredited by the Commission on Accreditation of the American Psychological Association. Questions related to the program's accredited status should be directed to the Commission on Accreditation:

The doctoral program focuses on training health service providers in the area of school psychology who possess the

following profession-wide competencies: research, ethical and legal standards, individual and cultural diversity, professional values and attitudes, communication and interpersonal skills, assessment, intervention, supervision and consultation and interprofessional/interdisciplinary skills. Doctoral students in School Psychology are expected to engage in scholarly work throughout their program of study to gain skill as a researcher. They are expected to work with an approved faculty member for five hours per week for a minimum of four semesters (summers excluded). The program is based on the student entering with a bachelor's degree. Students with advanced graduate degrees in an area of professional psychology may be able to waive some coursework and should meet with their advisors to develop a specific plan of study. A course in abnormal psychology is a prerequisite to the program and must be completed in the first year of study.

The Ph.D. program is accredited by the Commission on Accreditation of the American Psychological Association. Questions related to the program's accredited status should be directed to the Commission on Accreditation:

*Office of Program Consultation and Accreditation
American Psychological Association
750 1st Street NE
Washington, DC 20002
Phone: (202) 336-5979 or Email: apaaccred@apa.org
Web: www.apa.org/ed/accreditation/*

The Ph.D. program in School Psychology is also approved by the National Association of School Psychologists.

Students in the Ph.D. program in School Psychology must complete all requirements of the M.A. degree in Foundations of Professional Psychology, in addition to the credits here. Upon completion of the M.A. degree, students will automatically be admitted to the Ph.D. program in School Psychology.

Doctoral graduates are eligible for licensure as psychologists through the state Department of Regulatory Agencies (DORA) and as school psychologists through the state Department of Education. Graduates are qualified to assume positions as school-based practitioners, university professors, consultants, educational researchers, and psychologists (after obtaining DORA licensure).

DEGREE REQUIREMENTS — 98-101 CREDITS

School Psychology Core — 25 semester hours

APCE 623	Understanding and Counseling Diverse Populations	3
PSY 587	Social Cognitive Neuroscience	3
SPSY 640	School-Based Psychological Consultation	3
SPSY 656	Systems-Based Behavioral Health	3

SPSY 667	Intervening with Trauma and Crisis in the Schools	3
SPSY 747	Psychological Aspects of Academic Programming and Intervention	3
SPSY 763	Legal and Professional Foundations of School Psychology	4
SPSY 630	Functional Behavioral Assessment	3

Assessment Core — 8 semester hours

SPSY 644	Assessment I: Cognitive and Academic Functioning	5
SPSY 646	Assessment II: Socio-Emotional and Behavioral Functioning	3

Practicum Core — 16-18 semester hours

SPSY 618	Practicum in Child, Adolescent, and Family Interventions	5
SPSY 776	Externship in School Psychology	1-2
SPSY 779	Practicum in School Psychology	1-3

SPSY 776: Take twice

SPSY 779: Must complete 6 credits over the academic year

Select one of the following courses:

APCE 617	Play Therapy: Theory and Practicum	3
SPSY 749	Supervision and Leadership in School Psychology	3
SPSY 778	Clinical Neuropsychology Practicum	3

Ph.D. Electives 9-10 semester hours (Choose three):

APCE 609	Foundations of Play Therapy	3
APCE 624	Assessment and Treatment of Substance Abuse	3
APCE 665	Family Systems	3
APCE 669	Advanced Methods: Couples and Family Therapy	3
APCE 694	Practicum in Couples and Family Therapy	4
APCE 782	Introduction to Rorschach Administration and Scoring	3
APCE 785	Advanced Practicum in Community Engagement: Campus Connections	1
SRM 607	Non-Parametric Statistics	3
SRM 609	Sampling Methods	3
SRM 611	Advanced Statistical Data Analysis	3
SRM 625	Applied Multiple Regression Analysis	3
SRM 626	Applied Multilevel Modeling	3
SRM 627	Survey Research Methods	3
SRM 629	Structural Equation Modeling	3
SRM 635	Categorical Data Analysis	3
SRM 636	Applied Bayesian Statistics	3
SRM 637	Applied Time Series Analysis	3
SRM 660	Mixed Methods Research	3

SRM 673	Evaluation: Advanced Methods	3
SRM 680	Introduction to Qualitative Research	3
SRM 685	Educational Ethnography	3
SRM 686	Qualitative Case Study Research	3
SRM 705	Advanced Issues in Research Methods	3
Supervision Core — 3 semester hours		
SPSY 775	Supervision in School Psychology	3
Research Core — 18 semester hours		
Research Methodology		
SRM 700	Advanced Research Methods	3
Applied Statistics		
SRM 603	Statistical Methods II	3
SRM 610	Statistical Methods III	3
Applied Research Methods		
SPSY 629	Single-Case Research Methods	3
SPSY 663	Seminar in Research and Professional Practice	1
SPSY 781	Evaluation of Psychological Services	3

SPSY 663: Must complete 1 credit per semester for 3 semesters, beginning the summer of first year.

Internship Core — 3 semester hours		
SPSY 789	Internship in School Psychology	1-8
Dissertation Core — 16 semester hours		
SPSY 797	Doctoral Proposal Research	1-4
SPSY 799	Doctoral Dissertation	1-12

SPSY 797: Take 4 credits
SPSY 799: Take 12 credits

Program Notes

A student entering with previously completed graduate coursework may be able to have courses waived with advisor consent. In addition to formal course requirements, students must complete written and oral comprehensive examinations. As part of their written examination, students must pass the National School Psychology examination with a score of 147 or higher. Students must also complete a dissertation and a minimum 2,000 hour internship.

SPECIAL EDUCATION PH.D.

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

The on-campus face-to-face program is not currently accepting applications for admission. The online program is still being offered.

General Doctoral Degree Admission Requirements (p. 18)

Program Coordinator: Silvia Correa-Torres, Ed.D.

Location: McKee 09

Telephone: 970.351.1660

Website: www.unco.edu/cebs/special-education/

The Ph.D. in Special Education is a flexible doctoral program with provisions for individual planning to prepare stewards of the discipline of special education for positions of leadership in public and private schools and for colleges, universities, agencies, businesses and government entities. Major emphases are internally flexible and may be established to fit a variety of interests in the field of special education and gifts and talents. Graduates develop leadership knowledge and skills in exceptionalities related to six major themes: theory, pedagogy, research methodology, evidence-based practice, public policy/advocacy, and collaboration. The program is designed to prepare students for creative leadership in a rapidly changing world that is experiencing increasing cultural diversity, curriculum and structural reforms in schools and pedagogical innovations across the educational spectrum.

The Ph.D. program in Special Education is designed to prepare candidates in theory, pedagogy, research methodology, evidence-based practice, public policy and advocacy, and collaboration. The philosophy of the doctoral program is based on the concept that learning is an active, self-regulated process. The doctoral program is composed of required courses in special education, research methods, electives, research tools, and requires the completion of a dissertation. Doctoral learners are guided through their program by their advisor (who usually serves as Research Chair for the dissertation) and a committee of faculty from special education and other disciplines. The doctoral dissertation is defended by the Doctoral Learner in a committee meeting open to the campus community. The program can be completed in 3-5 years, depending on enrollment status (full- or part-time) and professional goals.

In joint planning sessions, the doctoral learner and advisor, in consultation with the doctoral committee, should establish a tentative doctoral plan of study during the first and second semesters on campus. This plan should be based on past experience and training and on the student's interests and goals. The plan of study must include an emphasis on critical thinking, breadth and depth of

theoretical understanding, scholarship, methods of inquiry, direct experiences in schools with diverse populations, and collaboration with faculty and student colleagues. Doctoral learners are expected to become stewards of the discipline, demonstrating: a) the ability to conduct research and scholarship; b) an understanding of the history and foundational ideas of special and gifted education; and c) the ability to represent and communicate ideas effectively and clearly.

Each applicant must receive a positive recommendation from representatives of the School of Special Education faculty to be recommended for admission to the Graduate School.

See program requirements:

Special Education Administration Licensure (p. 232)

Special Education Doctoral Minor (p. 213)

DEGREE REQUIREMENTS — 77-83 CREDITS

Students will be required to demonstrate literacy and competency in computer applications as part of the program.

Doctoral Core Courses (25 hours)

EDSE 701	Introduction to Doctoral Study in Exceptionalities	1
EDSE 702	Law of Exceptionalities	3
EDSE 721	Theories of Exceptionality	3
EDSE 727	Seminar in Exceptionalities	3
EDSE 728	Seminar in Professional Writing	3
EDSE 732	Research in Exceptionalities	3
EDSE 733	Preparing Teachers of Students with Exceptionalities	3
EDSE 744	Advanced Writing Seminar	3
EDSE 745	Advanced Doctoral Seminar	3

Externships (3 hours - minimum)

EDSE 730	Externship in Exceptionalities	1-9
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Externships are taken in one to three hour blocks and involve an off-campus experience. Variable titles related to inquiry, university teaching, research, and administration are selected based on the nature of the externship.

Elective Credits — 9 hours (minimum)

Students are to select 9 semester hours of courses in a cognate closely related to the student's program goals. Electives are chosen in consultation with the major advisor and are an integral part of the program plan.

Areas of Special Interest

The student may select an area of interest (one or more), in conference with their advisor, from the following areas: transition of children and youth with exceptionalities; education of infants and preschool children with exceptionalities; one of the categorical areas of special education (autism, blind or visually impaired, deaf or hard

of hearing, emotionally disturbed, learning disabilities, mental retardation, etc.); gifts and talents; curriculum development; special education administration; university teaching/research; or other areas as designed by the student and their advisor.

Research Core — 12 hours

SRM 602	Statistical Methods I	3
SRM 603	Statistical Methods II	3
SRM 680	Introduction to Qualitative Research	3
SRM 700	Advanced Research Methods	3

Research Proposal/Dissertation — 16 hours

EDSE 797	Doctoral Proposal Research	1-4
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Requires permission of major advisor. Explores dissertation research problems, theoretical frameworks, methodology, and data analysis procedures expected to develop an approved dissertation proposal. Students enroll for 1- to 4-hour blocks for a maximum of 4 hours. The student works closely with the Research Advisor and Doctoral Committee members to develop the proposal.

EDSE 799	Doctoral Dissertation	1-12
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Requires permission of major advisor. Dissertation research is taken in 1- to 12-hour blocks for a maximum of 12 hours. The student works closely with the Research Advisor and Doctoral Committee members to develop the proposal.

Research Tools — 12-18 hours

Students in special education must demonstrate proficiency in two of the three research tools listed below:

1. Research Design/Applied Statistics (3 hours from the following courses)

The GPA for this course and the 12 hours of Research Core above must be 3.0 or higher.

SRM 606	Multiple Linear Regression Analysis	3
SRM 607	Non-Parametric Statistics	3
SRM 608	Experimental Design	3
SRM 609	Sampling Methods	3
SRM 610	Statistical Methods III	3
SRM 611	Advanced Statistical Data Analysis	3
SRM 625	Applied Multiple Regression Analysis	3
SRM 627	Survey Research Methods	3
SRM 629	Structural Equation Modeling	3
SRM 635	Categorical Data Analysis	3
SRM 685	Educational Ethnography	3
SRM 686	Qualitative Case Study Research	3
SRM 687	Narrative Inquiry	3
SRM 688	Writing Qualitative Research	3
SRM 705	Advanced Issues in Research Methods	3

2. Evaluation (9 hours from the following courses)

ELPS 654	Instructional Leadership and Supervision	3
ELPS 665	Policy Analysis and Development	3
SRM 670	Evaluation: Models and Designs	3
SRM 673	Evaluation: Advanced Methods	3

3. Collateral Field (9 hours)

Contact the doctoral coordinator for examples of approved courses taken in a collateral field (cognition, instruction, measurement, psychology, human development, rehabilitation; additional research courses may be considered) that will support the dissertation research (600-level and above).

Comprehensive Performance Assessment

The Comprehensive Performance Assessment consists of a scheduled written comprehensive examination plus a matrix of performance options that demonstrates competency in theory, pedagogy, research methodology, evidence-based practice, public policy/advocacy, and collaboration.

SPORT AND EXERCISE SCIENCE PHD – BIOMECHANICS CONCENTRATION

PROGRAM OVERVIEW**College of Natural and Health Sciences**

General Doctoral Degree Admission Requirements (p. 18)

Location: Gunter 2590

Telephone: 970.351.2755

Fax: 970.351.1489

Website: www.unco.edu/nhs/sport-exercise-science/

In addition to required coursework, doctoral students in the biomechanics concentration assist with current research projects associated with their interests and specialized coursework which exposes them to research tools and procedures in the laboratory. Involvement in these lab research activities will help to stimulate the student's development of research questions to pursue a dissertation. Experience in the classroom as a university-level instructor is also required of doctoral students given the teacher-scholar emphasis at UNC.

DEGREE REQUIREMENTS — 64-67 CREDITS**Prerequisites — 3 hours**

SES 602	Introduction to Research in Sport and Exercise Science	3
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May be required if not taken during a student's Master's program.

Required Credits — 24 hours

SES 618	Biomechanics of Locomotion	3
SES 619	Advanced Biomechanics	3
SES 620	Neuromuscular Structure and Function	3
SES 622	Directed Studies	1-4
SES 625	Laboratory Techniques in Exercise Science Research	3
SES 627	Muscle Physiology	3
SES 755	Supervised Practicum in College Teaching	1-6

SES 622: Take 6 hours

SES 625: Laboratory Techniques in Biomechanics

SES 755: Take 3 hours

Elective Credits (in consultation with advisor) — 12 hours

SES 550	Neural Aspects of Kinesiology	3
SES 624	Advanced Developmental Kinesiology	3
SES 626	Metabolism	3
SES 635	Exercise and Sports Psychology	3
SES 665	Advanced Sociological Kinesiology	3
SES 692	Graduate Internship in Sport and Exercise Science	1-6

Research Core — 12 hours

SRM 602	Statistical Methods I	3
SRM 603	Statistical Methods II	3
SES 703	Research Seminar in Sport and Exercise Science	3
SRM 610	Statistical Methods III	3
or		
SRM 680	Introduction to Qualitative Research	3

Research Proposal/Dissertation — 16 hours

SES 797	Doctoral Proposal Research	1-4
SES 799	Doctoral Dissertation	1-12

Research Tools

Doctoral students in this degree must demonstrate competency in the two following research tools listed below:

- Research Design.** Applied Statistics/Quantitative Methods. Complete 9-12 hours (excluding SRM 600 and SRM 700).
- Discipline-Specific Laboratory Techniques.** Exhibit competency in laboratory-based research work, which is specific to a student's concentration area. Coursework supporting this requirement is acceptable, but not required.

Program Note

In addition to Graduate School candidacy and graduation requirements, doctoral students in the School of Sport and Exercise Science must complete requirements associated with the SES doctoral matrix.

SPORT AND EXERCISE SCIENCE PH.D. – EXERCISE PHYSIOLOGY CONCENTRATION

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Doctoral Degree Admission Requirements (p. 18)

Location: Gunter 2590

Telephone: 970.351.2755

Fax: 970.351.1489

Website: www.unco.edu/nhs/sport-exercise-science/

Doctoral students in the exercise physiology concentration will not only complete coursework in physiology, biochemistry, statistics and research design, but they will also gain valuable classroom teaching experience, and be intimately involved with the basic science and clinical research conducted by exercise physiology faculty.

DEGREE REQUIREMENTS — 64-67 CREDITS

Prerequisites — 3 hours

SES 602	Introduction to Research in Sport and Exercise Science	3
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May be required if not taken during a student's Master's program.

Required Credits — 12 hours

SES 625	Laboratory Techniques in Exercise Science Research	3
SES 626	Metabolism	3
SES 627	Muscle Physiology	3
SES 632	Cardiovascular Physiology	3

SES 625: Laboratory Techniques in Exercise Physiology

Elective Credits in consultation with advisor — 24 hours

BIO 547	Immunology and Disease	3
BIO 550	Cell Physiology	3
BIO 552	Advanced Systemic Physiology: Homeostats	3
BIO 553	Advanced Systemic Physiology: Control Systems	3
BIO 556	Current Topics in Biomedical Research	2
BIO 576	Pharmacology	3
BIO 582	Cancer Biology	3
CHEM 581	General Biochemistry I	4
CHEM 582	General Biochemistry II	4

SES 550	Neural Aspects of Kinesiology	3
SES 619	Advanced Biomechanics	3
SES 620	Neuromuscular Structure and Function	3
SES 622	Directed Studies	1-4
SES 624	Advanced Developmental Kinesiology	3
SES 635	Exercise and Sports Psychology	3
SES 665	Advanced Sociological Kinesiology	3
SES 690	Graduate Seminar in Sport and Exercise Science	1
SES 692	Graduate Internship in Sport and Exercise Science	1-6
SES 696	College Teaching	3
SES 755	Supervised Practicum in College Teaching	1-6

Research Core — 12 hours

SRM 602	Statistical Methods I	3
SRM 603	Statistical Methods II	3
SES 703	Research Seminar in Sport and Exercise Science	3
SRM 610	Statistical Methods III or	3
SRM 680	Introduction to Qualitative Research	3

Research Proposal/Dissertation — 16 hours

SES 797	Doctoral Proposal Research	1-4
SES 799	Doctoral Dissertation	1-2

Research Tools

Doctoral students in this degree must demonstrate competency in two research tools. Three possibilities are listed below:

- Research Design.** Applied Statistics/Quantitative Methods. Complete 9-12 hours (excluding SRM 600 and SRM 700).
- Research Design.** Applied Statistics/Qualitative Methods. Complete 9-12 hours (excluding SRM 600 and SRM 700).
- Discipline-Specific Laboratory Techniques.** Exhibit competency in laboratory-based research work, which is specific to a student's concentration area. Coursework supporting this requirement is acceptable, but not required.

Program Note

In addition to Graduate School Candidacy and graduations requirements, doctoral students in the School of Sports and Exercise Science must complete requirements associated with the SES doctoral matrix.

SPORT AND EXERCISE SCIENCE PH.D. – SOCIAL PSYCHOLOGY OF SPORT & PHYSICAL ACTIVITY CONCENTRATION

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Doctoral Degree Admission Requirements (p. 18)

Location: Gunter 2590

Telephone: 970.351.2755

Fax: 970.351.1489

Website: www.unco.edu/nhs/sport-exercise-science/

Students in social psychology of sport and physical activity concentration will complete coursework in the social and psychological disciplines as they relate to contemporary professional and amateur sport as well as on social and psychological aspects of child development in sports and physical activity. Students will also conduct research in the area of children's physical activity behavior and social influences upon sport and exercise motivation.

DEGREE REQUIREMENTS — 64-67 CREDITS

Prerequisites — 3 hours

SES 602	Introduction to Research in Sport and Exercise Science	3
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May be required if not taken during a student's Master's program.

Choose either the Coach Development or Social Psychology cognate

Coach Development Cognate:

Required Credits — 15 hours

SES 624	Advanced Developmental Kinesiology	3
SES 625	Laboratory Techniques in Exercise Science Research	3
SES 635	Exercise and Sports Psychology	3
SES 636	Motivation	3
SES 665	Advanced Sociological Kinesiology	3

Elective Credits (with advisor approval) — 21 hours

GERO 625	Psychosocial Aspects of Aging	3
PSY 664	Advanced Social Psychology	3
SES 583	International Perspectives of Sport Coaching	3
SES 584	Sport Administration for Sport Coaches	3
SES 588	Evaluation of Coaching using Technology	3
SES 589	Bridging Theory and Practice in Sport Coaching	3
SES 619	Advanced Biomechanics	3

SES 620	Neuromuscular Structure and Function	3
SES 622	Directed Studies	1-4
SES 626	Metabolism	3
SES 627	Muscle Physiology	3
SES 670	Sport and Higher Education	3
SES 680	Perspectives in Sport Pedagogy	3
SES 692	Graduate Internship in Sport and Exercise Science	1-6
SES 696	College Teaching	3
SES 755	Supervised Practicum in College Teaching	1-6
SOC 532	Social Psychology and Group Dynamics	3
SOC 552	Applied Social Theory	3

Social Psychology Cognate:

Required Credits — 15 hours

SES 624	Advanced Developmental Kinesiology	3
SES 625	Laboratory Techniques in Exercise Science Research	3
SES 635	Exercise and Sports Psychology	3
SES 636	Motivation	3
SES 665	Advanced Sociological Kinesiology	3

SES 625: Laboratory Techniques in Social Psychology of Sport and Physical Activity

Elective Credits (with advisor approval) — 21 hours

GERO 625	Psychosocial Aspects of Aging	3
PSY 664	Advanced Social Psychology	3
SES 619	Advanced Biomechanics	3
SES 620	Neuromuscular Structure and Function	3
SES 622	Directed Studies	1-4
SES 626	Metabolism	3
SES 627	Muscle Physiology	3
SES 670	Sport and Higher Education	3
SES 680	Perspectives in Sport Pedagogy	3
SES 692	Graduate Internship in Sport and Exercise Science	1-6
SES 696	College Teaching	3
SES 755	Supervised Practicum in College Teaching	1-6
SOC 532	Social Psychology and Group Dynamics	3
SOC 552	Applied Social Theory	3

Research Core — 12 hours

SRM 602	Statistical Methods I	3
SRM 603	Statistical Methods II	3
SES 703	Research Seminar in Sport and Exercise Science	3
SRM 610	Statistical Methods III	3

SRM 680	or Introduction to Qualitative Research	3
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Research Proposal/Dissertation — 16 hours

SES 797	Doctoral Proposal Research	1-4
SES 799	Doctoral Dissertation	1-12

Research Tools

Doctoral students in this degree must demonstrate competency in two research tools. Three possibilities are listed below:

1. **Research Design.** Applied Statistics/Quantitative Methods. Complete 9-12 hours (excluding SRM 600 and SRM 700).
2. **Research Design.** Applied Statistics/Qualitative Methods. Complete 9-12 hours (excluding SRM 600 and SRM 700).
3. **Discipline-Specific Laboratory Techniques.** Exhibit competency in laboratory-based research work, which is specific to a student's concentration area. Coursework supporting this requirement is acceptable, but not required.

Program Note

In addition to Graduate School candidacy and graduation requirements, doctoral students in the School of Sport and Exercise Science must complete requirements associated with the SES doctoral matrix.

SPORT AND EXERCISE SCIENCE PH.D. – SPORT ADMINISTRATION CONCENTRATION

PROGRAM OVERVIEW**College of Natural and Health Sciences**

General Doctoral Degree Admission Requirements (p. 18)

Location: Gunter 2590

Telephone: 970.351.2755

Fax: 970.351.1489

Website: www.unco.edu/nhs/sport-exercise-science/

The Doctor of Philosophy in Sport and Exercise Science: Sport Administration concentration curriculum follows the guidelines set for the preparation of students in Sport Management by the North American Society for Sport Management. The program is designed primarily to prepare students for academic positions in higher education. Some students may choose to apply their doctoral coursework in careers in the management of sport in collegiate athletic programs, professional, Olympic, or commercial sport business.

DEGREE REQUIREMENTS — 64 CREDITS**Prerequisites — 3 hours**

SES 602	Introduction to Research in Sport and Exercise Science	3
	or	
	A graduate research course from Psychology (PSY) or Applied Statistics and Research Methods (SRM). Advisor approval is required for this choice.	

Students in the Sport Administration Concentration are required to successfully complete all requirements for the Applied Statistics and Research Methods minor with a grade of "B" or better in each course.

Required Concentration Credits — 15 hours

SES 704	Doctoral Seminar in Sport Marketing Research & Experimental Design I	3
	or	
SES 706	Seminar in Sport Organizational Behavior	3
SES 705	Doctoral Seminar for American Professoriate in Sport	3
SES 724	Seminar in Theory & Sport Organizations	3
SES 790	Seminar in Sport Consumer Behavior	3
SES 750	Seminar in Sport Finance	3

Elective Credits — 18 hours

Students are allowed 18 hours of electives in the doctoral program (64 credits beyond the Master's is required for graduation). After consulting with their advisor, students should select courses which contribute to their academic and research goals. The following courses are offered as a guide for elective course selection. Students should also review the *Catalog* for course options in other cognate areas.

SES 560	Critical Thinking and Ethical Considerations in Sport Administration	3
SES 570	Administration of Sport Organizations and Employees	3
SES 576	Sport Promotion and Marketing	3
SES 650	Financial Management for Sport Organizations	3
SES 665	Advanced Sociological Kinesiology	3
SES 670	Sport and Higher Education	3
SES 671	Fundraising & Development in Sport	3
SES 675	Sport Facility and Event Management	3

SES 688	Legal Aspects of Sport	3
SES 696	College Teaching	3
SES 755	Supervised Practicum in College Teaching	1-6

Research Core — 15 hours

SRM 602	Statistical Methods I	3
SRM 603	Statistical Methods II	3
SES 702	Seminar in Sport Administration Research Methods	3
SES 703	Research Seminar in Sport and Exercise Science	3
SRM 610	Statistical Methods III or	3
SRM 680	Introduction to Qualitative Research	3

Research Proposal/Dissertation — 16 hours

SES 797	Doctoral Proposal Research	1-4
SES 799	Doctoral Dissertation	1-12

Research Tools

Doctoral students in this degree must demonstrate competency in two research tools. Three possibilities are listed below:

1. **Research Design.** Applied Statistics/Quantitative Methods. Complete 9-12 hours (excluding SRM 600 and SRM 700).
2. **Research Design.** Applied Statistics/Qualitative Methods. Complete 9-12 hours (excluding SRM 600 and SRM 700).
3. A collateral field of study may be used as a substitute for a research tool. See Graduate School policies for details.

Program Note

In addition to Graduate School candidacy and graduation requirements, doctoral students in the School of Sport and Exercise Science must complete requirements associated with the SES doctoral matrix.

SPORT AND EXERCISE SCIENCE PH.D. – PHYSICAL EDUCATION AND PHYSICAL ACTIVITY LEADERSHIP (PE PAL) CONCENTRATION

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Doctoral Degree Admission Requirements (p. 18)

Location: Gunter 2590

Telephone: 970.351.2755

Fax: 970.351.1489

Website: www.unco.edu/nhs/sport-exercise-science/

Our Ph.D. in Sport and Exercise Science: Physical Education and Physical Activity Leadership is a research degree, designed for students who seek careers as college or university professors or related areas. In addition to building academic expertise in physical education and physical activity leadership, you will develop excellent teaching skills, drawing on UNC’s strength as an educator-training institution. Alumni of our doctoral program have a stellar record of faculty job placements. Students will be able to: Pursue an academic career as a faculty member; Produce applied, relevant, influential research; Belong to a global alumni network.

DEGREE REQUIREMENTS — 65-68 CREDITS

Prerequisites — 3 hours

SES 602	Introduction to Research in Sport and Exercise Science	3
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May be required if not taken during a student’s Master’s program.

Required Concentration Credits — 22 hours

SES 622	Directed Studies	1-4
SES 680	Perspectives in Sport Pedagogy	3
SES 681	Research on Teaching and Teachers in Physical Activity Settings	3
SES 682	Program Design and Evaluation in Physical Activity Settings	3
SES 695	Seminar in Physical Education	1
SES 696	College Teaching	3

SES 695: Take four times.

And choose 3 credits from the following:

SES 622	Directed Studies	1-4
SES 755	Supervised Practicum in College Teaching	1-6

Research Core — 12 hours

Take all the following courses:

SES 703	Research Seminar in Sport and Exercise Science	3
SRM 602	Statistical Methods I	3
SRM 680	Introduction to Qualitative Research	3

Choose one of the following courses:

SRM 603	Statistical Methods II	3
SRM 607	Non-Parametric Statistics	3
SRM 610	Statistical Methods III	3
SRM 625	Applied Multiple Regression Analysis	3
SRM 627	Survey Research Methods	3
SRM 635	Categorical Data Analysis	3
SRM 660	Mixed Methods Research	3
SRM 685	Educational Ethnography	3
SRM 686	Qualitative Case Study Research	3
SRM 687	Narrative Inquiry	3

SRM 688	Writing Qualitative Research	3
SRM 731	Multivariate Analysis	3
Research Proposal/Dissertation — 16 hours		
SES 797	Doctoral Proposal Research	1-4
SES 799	Doctoral Dissertation	1-12

Research Tools

Doctoral students in this degree must demonstrate competency in two research tools. Four possibilities are listed below:

1. **Research Design.** Applied Statistics/Quantitative Methods. Complete 9-12 hours (excluding SRM 600 and SRM 700).
2. **Research Design.** Applied Statistics/Qualitative Methods. Complete 9-12 hours (excluding SRM 600 and SRM 700).
3. **Discipline-Specific Laboratory Techniques.** Exhibit competency in laboratory-based research work, which is specific to a student's concentration area. Coursework supporting this requirement is acceptable, but not required.
4. A collateral field of study may be used as a substitute for a research tool. See Graduate School policies for details.

Cognate Credits — 15 hours

Must choose 15 hours from one of the Cognate Areas:

Physical Education Teacher Education Cognate

EDF 610	Teacher Research	3
EDF 619	Pluralism in Education	3
EDF 664	Instruction and Assessment	3
EDF 685	Philosophical Foundations of Education	3
EDF 700	Implementation and Evaluation of Curriculum	3
EDF 777	Social Justice in Education Reform	3
EDF 781	Perspectives on Curriculum	3
EDF 787	Technology, Innovation, and Education	3
SES 612	Assessment in Sport Pedagogy	3
SES 614	Analysis of Teaching in Physical Education	3

Physical Activity Leadership and Community Health Cognate

CH 509	Behavior Change Theories	3
CH 525	Contemporary Issues in School Health	3
CH 530	Strategies for Community Health Promotion	3
CH 533	Physical Activity Interventions in the Community	3
CH 615	Methods in Public Health Research and Evaluation	3

SES 646	Comprehensive School Physical Activity Programming	3
SES 647	School Physical Activity Policy, Advocacy, and Leadership	3

Program Note

In addition to Graduate School candidacy and graduation requirements, doctoral students in the School of Sport and Exercise Science must complete requirements associated with the SES doctoral matrix.

Doctoral Minors

APPLIED STATISTICS AND RESEARCH METHODS

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

A Doctoral Minor in Applied Statistics and Research Methods is available to students in any UNC doctoral program with the approval of their doctoral program advisor.

DOCTORAL MINOR REQUIREMENTS — 15 CREDITS

Required courses — 15 hours

A minimum of 15 credit hours completed during the student's UNC doctoral program with grades of "B-" or better from the following courses:

SRM 519	Qualitative Analysis Software	1
SRM 520	Introduction to Statistical Computing	1
SRM 521	Statistical Computing with SPSS	1
SRM 522	Introduction to R	1
SRM 523	Introduction to SQL	1
SRM 602	Statistical Methods I	3
SRM 603	Statistical Methods II	3
SRM 606	Multiple Linear Regression Analysis	3
SRM 607	Non-Parametric Statistics	3
SRM 608	Experimental Design	3
SRM 609	Sampling Methods	3
SRM 610	Statistical Methods III	3
SRM 611	Advanced Statistical Data Analysis	3
SRM 625	Applied Multiple Regression Analysis	3
SRM 626	Applied Multilevel Modeling	3
SRM 627	Survey Research Methods	3
SRM 629	Structural Equation Modeling	3
SRM 635	Categorical Data Analysis	3
SRM 636	Applied Bayesian Statistics	3
SRM 637	Applied Time Series Analysis	3
SRM 660	Mixed Methods Research	3
SRM 665	Data Analysis for Decision-Making	3
SRM 670	Evaluation: Models and Designs	3
SRM 671	Grant Writing for Evaluators	3
SRM 673	Evaluation: Advanced Methods	3
SRM 680	Introduction to Qualitative Research	3
SRM 683	Visual and Virtual Inquiry	3
SRM 684	Research Ethics	1
SRM 685	Educational Ethnography	3

SRM 686	Qualitative Case Study Research	3
SRM 687	Narrative Inquiry	3
SRM 688	Writing Qualitative Research	3
SRM 705	Advanced Issues in Research Methods	3

NOTE: SRM 502 may be substituted for SRM 602.

Features and Conditions

1. Completion of the minor will be noted in the student's transcript as Minor in Applied Statistics and Research Methods.
2. No other course substitutions are permitted.
3. This minor is not available to students in the Applied Statistics and Research Methods degree program.
4. Some or all of the SRM courses used for the minor may be part of a student's program of required or elective classes.

No application to the Applied Statistics and Research Methods program is required. In consultation with their doctoral program advisors, students may include sufficient SRM courses in their programs of study to meet the requirements for the minor.

EDUCATIONAL LEADERSHIP AND POLICY STUDIES

PROGRAM OVERVIEW

The Educational Leadership minor is a 15 credit program available to students in any UNC doctoral program with the approval of their doctoral program advisor. The intent of this minor is to encourage doctoral students throughout the University to increase and expand their understanding of leadership theories, practices, strategies and research that support best practices in leading change and improvement of instructional settings. Completion of the minor will be noted in the student's transcript as "Minor in Educational Leadership and Policy Studies."

The mission of the program is to develop educators who have the vision and the ability to lead educational organizations by providing needed services to learners in educational settings, creating effective learning environments, effecting policies that govern educational organizations, and modeling continuous learning with and for the citizens of the community. To achieve this mission, ELPS faculty incorporate innovative teaching practices; engage in inquiry about leaders and leadership; and demonstrate leadership at the local, regional, national and international levels.

The underlying philosophy of the ELPS program is that educational leaders possess knowledge of self, others, organizations, learning and society necessary to perform

creatively and effectively in diverse environments. They engage people in identifying and working toward the accomplishment of a shared vision for the organization. Leaders incorporate the ideas, values and experiences reflective of a pluralistic society and promote continual learning.

The ELPS programs are exemplified by the following beliefs:

- Human growth and development are lifelong pursuits.
- Leadership encompasses a learned set of knowledge, skills, attitudes and practices.
- Organizations are artifacts of a larger society.
- Learning, teaching, and collegiality are fundamental activities of organizations.
- Validated knowledge and active inquiry form the basis of practice.
- Moral and ethical imperatives drive leadership behavior.
- Effective leadership in organizations depends on individual and team efforts.
- Leaders' behaviors and actions model their beliefs and values.
- Leaders effect positive change in individuals and organizations.
- Effective leaders develop positive interpersonal relationships.
- Diversity strengthens organizations.
- Organizations and leaders are accountable.

The ELPS programs and the scholarship of its faculty and students emphasize:

- Formal and informal roles and strategies of educational leaders in P-12 schools and post-secondary settings
- Fiscal, legal and personnel aspects of schools and higher education
- Innovative practices in leadership preparation
- Understanding, facilitating and evaluating the change process
- Innovation and restructuring of schools
- Collaboration in teaching, learning and scholarship
- Adult learning and development and staff development
- Policy development, analysis and implementation
- Service to schools, higher education and policy makers
- Identification of multicultural and gender-based needs

DOCTORAL MINOR REQUIREMENTS — 15 CREDITS

Required Courses — 15 Hours

A minimum of five (5) courses completed during the student's UNC doctoral program with grades of "B-" or better from the following courses:

ELPS 601	Leadership Development Through Inquiry	3
ELPS 603	Shaping Organizations: Management and Leadership in Education	3
ELPS 604	Understanding People: Professional Development and Educational Leadership	3
ELPS 605	External Environments: Social, Political, and Economic Influences in Educational Leadership	3
ELPS 608	Issues in Educational Leadership: Implications for Practice	3
ELPS 622	Directed Studies	1-3
ELPS 650	School Finance and Budgeting	3
ELPS 654	Instructional Leadership and Supervision	3
ELPS 660	Law and the Administrator	3
ELPS 665	Policy Analysis and Development	3
ELPS 666	Planning and Change in Education	3

Features and Conditions:

1. No application for admission to the minor is required. In consultation with their doctoral program advisors, students will declare their intent to complete the minor on their doctoral program of studies filed with the Graduate School.
2. ELPS-prefixed courses used for the minor may be part of a student's program of required or elective courses.

EDUCATIONAL PSYCHOLOGY

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

Admission Requirements. The minor will be open to all students who are enrolled in good standing in a doctoral degree program at the University of Northern Colorado. Doctoral students must notify the Educational Psychology program director by submitting: 1) a letter stating their intent to obtain a minor in Educational Psychology, and 2) a letter from their doctoral program advisor indicating approval of the minor.

DOCTORAL MINOR REQUIREMENTS — 15 CREDITS

15 hours (minimum) from the following courses:

Substitutions will be allowed if they are approved by the Graduate Program Coordinator or the School Director.

PSY 530	Life Span Developmental Psychology	3
PSY 540	Theories and Principles of Learning	3
PSY 575	Educational Assessment	3
PSY 587	Social Cognitive Neuroscience	3
PSY 590	Seminar in History of Psychology	3
PSY 630	Advanced Child and Adolescent Psychology	3
PSY 640	Cultural Issues in Education Psychology	3
PSY 644	Motivation in Education	3
PSY 661	Trends and Issues in Educational Psychology	3
PSY 674	Measurement I: Classical Test Theory	3
PSY 681	Learning and Instruction	3

EDUCATIONAL TECHNOLOGY

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

A Doctoral Minor in Educational Technology is available to students in any UNC doctoral program with the approval of their doctoral program advisor. In addition, a written notification needs to be sent to the Educational Technology program coordinator and the Graduate School by the student's doctoral program advisor.

MINOR REQUIREMENTS — 15 CREDITS

Required Courses

A minimum of five courses for a total of 15 credits completed during the student's UNC doctoral program with grades of "B" or better from the following courses:

ET 630	Trends and Issues in Instructional Design and Technology	3
ET 631	Distance Education	3
ET 635	Instructional Materials Development for Online Learning	3
ET 640	Applications of Multiliteracies	3
ET 641	Designing, Playing, and Learning	3
ET 643	Innovative Instructional Formats	3
ET 645	Children's Engineering and STEM	3
ET 721	Learning Theories and Technology Integration	3

ET 723	Global & Cultural Perspectives in Educational Technology	3
ET 740	Innovations in Technology and Education	3
ET 749	Gaming and Application Design	3

Features and Conditions:

1. Completion of the minor will be noted in the student's transcript as Minor in Educational Technology. The courses taken for the minor need to be included on a student's formal submitted plan of study.
2. Courses from outside the Educational Technology program may not count toward the minor.
3. Students may request ET courses not on the doctoral minor course list to be counted toward the minor. Such a request requires approval by the student's advisor and the ET program coordinator.
4. This minor is not available to students in the Educational Technology degree or certificate programs.
5. Some or all of the courses used for the minor may be part of the students' program of required or elective classes.

No application to the Educational Technology program is required to add the minor. Students should work in consultation with their doctoral program advisor to include sufficient ET courses in their programs of study to meet the requirements for the doctoral minor.

HIGHER EDUCATION AND STUDENT AFFAIRS LEADERSHIP

PROGRAM OVERVIEW

A doctoral minor in Higher Education and Student Affairs Leadership is available to students in any UNC doctoral program with the approval of their doctoral program advisor. The intent of this minor is to encourage doctoral students who anticipate working in higher education settings to increase and expand their understanding of higher education organizations, policies, and procedures and to understand developmental needs of college students and services offered to assist students. Completion of the minor will be noted in the student's transcript as "Minor in Higher Education and Student Affairs Leadership."

DOCTORAL MINOR REQUIREMENTS — 15 CREDITS

Required courses — 15 hours

A minimum of five (5) courses completed during the student's UNC doctoral program with grades of "B-" or better from the following courses:

HESA 601	Introduction to Higher Education & Student Affairs	3
HESA 611	Organization and Administration	3
HESA 612	Higher Education Assessment and Evaluation	3
HESA 650	College Student Development: Foundational Theory	3
HESA 651	Philosophical, Historical and Cultural Foundations of Student Affairs in Higher Education	3
HESA 652	Enrollment Management Services	3
HESA 655	Multiculturalism in Higher Education and Student Affairs	3
HESA 658	Helping Skills for Practitioners	3
HESA 660	Women in Higher Education and Student Affairs	3
HESA 668	College Students: Culture, Characteristics, Campus Life	3
HESA 669	Culturally Responsive Aspects of Transformative Learning	3
HESA 671	Introduction to Leadership in Higher Education and Student Affairs Leadership	3
HESA 680	Law and Higher Education	3
HESA 683	Finance and Resource Management in Higher Education	3
HESA 685	Human Resources in Higher Education	3
HESA 695	Current Issues in Higher Education and Student Affairs Leadership	3

Features and Conditions:

1. Completion of the minor will be noted on the student's transcript as Minor in Higher Education and Student Affairs Leadership.
2. Course substitutions will be allowed only upon verification by the Graduate Program Coordinator of the HESAL program that a transfer course from another university is equivalent to one of the UNC courses listed above, or that it would be accepted in the HESAL Ph.D. program as a higher education elective course. Field experiences and internships may not be substituted for the above courses. All course substitutions must have been taken within the time frame of the student's UNC doctoral program.
3. HESA-prefixed courses used for the minor may be part of a student's program of required or elective courses.
4. No application to the Higher Education and Student Affairs Leadership program is required. In consultation with their doctoral program advisor, students may include sufficient HESA-prefixed courses to meet the requirements for the minor.

READING

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

A Doctoral Minor in Reading is available to students in any UNC doctoral program with the approval of their doctoral program advisor.

DOCTORAL MINOR REQUIREMENTS — 15 CREDITS

Required courses — 15 hours

A minimum of five (5) courses completed during the student's UNC doctoral program with grades of "B-" or better among the following courses:

ELIT 610	Literacy Teaching	3
ELIT 615	Family & Community Literacy	3
ELIT 621	New Literacies	3
ELIT 623	Classroom Literacy Research Design	3
ELIT 630	Children's Literature	3
ELIT 631	Content Literacy	3
ELIT 632	Teaching Writing	3
ELIT 670	Directing a School-Wide Literacy Program	3
ELIT 671	Practical Literacy Assessment	3
ELIT 672	Literacy Leadership	3

Features and Conditions:

1. Completion of the minor will be noted in the student's transcript as Minor in Reading.
2. No other course substitutions are permitted without approval from the Reading Programs Coordinator.
3. Some or all of the EDRD courses used for the minor may be part of a student's program of required or elective classes.
4. Because each 600-level course is also in the MA degree program, doctoral students must complete doctoral-level assignments with satisfactory grades according to the syllabus for each course.
5. In consultation with their doctoral program advisors, students must include sufficient Reading courses in their program of study to meet requirements for the minor. Because many of the courses are offered on a cohort model often through Extended Studies, doctoral Reading Minor students may need to seek permission from the instructor or program coordinator to enroll.

SPECIAL EDUCATION

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

A Doctoral Minor in Special Education is available to students in any UNC doctoral program with the approval of their doctoral program advisor. The intent of this program is to encourage doctoral students throughout the University to increase and expand their understanding of the field of special education and disability issues. Completion of the minor will be noted in the student's transcripts as Minor in Special Education. No application to the School of Special Education is required. In consultation with their doctoral program advisors, students may include sufficient EDSE courses in their programs of study to meet the requirements for the minor. Some or all of the courses used for this minor may be part of a student's program of required or elective classes. The minor consists of additional courses completed with a "B" or better.

This minor is not available to students in the Special Education doctoral program.

DOCTORAL MINOR REQUIREMENTS — 18 CREDITS

Required Courses — 9 hours

EDSE 510	Foundations of Special Education	3
EDSE 511	Content Accessibility for CLD and Students with Identified Needs	3
EDSE 512	Assessment, IEP Development and Instructional Planning	3

Select one of the following courses (3 hours):

EDSE 532	Typical and Atypical Early Child Development: Application to Early Childhood Special Education	3
EDSE 541	Introduction to Visual Impairments and Deaf-Blindness	3
EDSE 550	Foundations of Deaf Education	3
EDSE 613	Applied Assessment	3
EDSE 614	Behavioral Interventions	3
EDSE 616	Scientific Based Literacy Interventions	3
EDSE 617	Mathematics and Content Area Learning for Students with Disabilities	3
EDSE 618	Educating Students with Significant Support Needs	3
EDSE 619	Secondary Services	3
EDSE 676	Assessment and Interventions for Students with Challenging Behaviors	3
EDSE 677	Transition to Adulthood for Youth with Exceptionalities	3

EDSE 678	Strategies for Students with Autism/Significant Needs	3
EDSE 679	Interventions for Students with Cultural and Linguistic Differences	3
EDSE 680	Administration and Supervision of Special Education	3

Select 6 hours of the following courses:

EDSE 702	Law of Exceptionalities	3
EDSE 721	Theories of Exceptionality	3
EDSE 727	Seminar in Exceptionalities	3
EDSE 732	Research in Exceptionalities	3
EDSE 745	Advanced Doctoral Seminar	3

Graduate Certificate

ANIMAL AUDIOLOGY GRADUATE CERTIFICATE

PROGRAM OVERVIEW

College of Natural and Health Sciences

This program is not currently accepting applications for admission.

General Graduate Certificate Admission Requirements (p. 20)

The Animal Audiology certificate program provides specialized training in the assessment and management of hearing loss in animals. The program is designed for graduate students enrolled in a Doctor of Audiology program and for currently practicing audiologists. Emphasis is on the use of the brainstem auditory evoked response (BAER) for screening and diagnosis of canines and equines, although the skills acquired will transfer to BAER testing of other animals and human infants. Students will also learn about the physiology of hearing and sound production systems of animals. All students will complete 6 credits of practicum working with or observing animals at a local veterinary clinic or other off-campus locations.

Prerequisites: Enrollment in or completion of a Doctor of Audiology (Au.D.) program.

CERTIFICATE REQUIREMENTS — 12 CREDITS

Required Credits — 12 hours

CSD 596	Comparative Hearing and Vocal Mechanisms	3
CSD 597	Seminar in Animal Audiology	3
CSD 794	Practicum in Animal Awareness	2
CSD 796	Practicum in Animal Audiology	2

CSD 796: Take 2 hours per semester for 2 semesters

APPLIED DATA ANALYSIS FOR DECISION MAKING GRADUATE CERTIFICATE

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Graduate Certificate Admission Requirements (p. 18)

The purpose of this certificate is to prepare professionals in the analytical and communication skills needed to use data for making informed institutional or programmatic

decisions in various educational, health-related, or social/behavioral science settings. The required courses in qualitative methods, applied statistics, statistical computing, database management, and survey methods provide a solid foundation in the methods commonly used in data-informed decision-making positions. The capstone course, SRM 665 offers students the opportunity to participate in an applied data analysis project for which they will be required to design the data collection and analysis plan, conduct data analyses, and prepare/deliver both a written report and oral presentation for relevant stakeholders. In addition, students will select 3 elective credits from courses in geographic information science, public health methods, business analytics, or higher education assessment.

Prerequisites: Admission to the University as either a degree-seeking or non-degree seeking graduate student and completion of SRM 600 (or equivalent). It is also assumed students will have completed introductory coursework in statistics through the equivalent of SRM 603 before enrolling in SRM 625, though students may begin the certificate program without such coursework.

CERTIFICATE REQUIREMENTS — 17 CREDITS

Required Credits — 14 hours

SRM 521	Statistical Computing with SPSS	1
SRM 523	Introduction to SQL	1
SRM 625	Applied Multiple Regression Analysis	3
SRM 627	Survey Research Methods	3
SRM 665	Data Analysis for Decision-Making	3
SRM 680	Introduction to Qualitative Research	3

Elective Credits — 3 hours

Choose one of the following courses:

CH 615	Methods in Public Health Research and Evaluation	3
GEOG 507	Geographic Information Science	3
HESA 612	Higher Education Assessment and Evaluation	3
MBA 605	Data Analytics and Visualization	3

ART STUDIO GRADUATE CERTIFICATE

PROGRAM OVERVIEW

College of Performing and Visual Arts

General Graduate Certificate Admission Requirements (p. 20)

The graduate certificate program in the School of Art & Design offers an in-depth and individualized course of study. The program provides opportunities for K-12 art educators who are licensed to teach in Colorado and want to be able to teach concurrent enrollment Art classes, as well as appropriately degreed working artists who would like to teach undergraduate classes at a community college level or 4-year university as adjunct faculty. The eighteen credits of coursework completed in the certificate program may also be applied toward the thirty-credit Art and Design M.A. program requirements. Both the M.A. and the certificate are low residency hybrid models consisting of a short course summer residency and coursework conducted mostly online with some planned face-to-face meetings built around a working adult schedule. The certificate is a one-year program consisting of fall, spring, and a short course summer residency with coursework in a hybrid format.

Admission to the Art Studio Graduate Certificate program is approved by the faculty of the School of Art & Design following an evaluation of the applicant's admission materials. At the time of application to the Graduate School, application materials should be sent to: Coordinator of Graduate Studies, School of Art & Design, University of Northern Colorado, Campus Box 30, Greeley, CO 80639. Application materials include a portfolio of no less than 15 different pieces of current work in the proposed area of study submitted as digitized images in a format which will open on either a Mac or PC (PowerPoint, jpeg, pdf, etc.), a typewritten statement by the applicant elaborating the reasons for pursuing advanced studies in art that is two pages in length and that also serves as an example of writing ability; one professional recommendation, and a current resume. For more information, contact the Coordinator of Graduate Studies.

Prerequisites. Students who have completed an undergraduate degree in art or art education or the equivalent and whose grade point average is a minimum of 3.0 based on the last 60 semester hours of coursework may apply for the Art Studio Graduate Certificate program in the School of Art & Design. An applicant who does not have an undergraduate major in art or art education, or its equivalent, may be required to complete specified coursework or demonstrate competency in specific areas of study before beginning the program.

CERTIFICATE REQUIREMENTS — 18 CREDITS

Required Core Art Studio Credits — 9 hours

Take the following three courses:

ART 525	Graduate Studio Practice	3
ART 547	Multimedia in Arts Studio	3
ART 590	Studio Concepts and Application	3

Required Art Studio Elective Credits — 9 hours

Select any courses from the list below to fulfill this requirement. These are Art Studio courses that are repeatable up to 9 credits each, allowing students to customize their area of focus.

ART 508	Workshop in Art	1-4
ART 539	Computer Graphics Studio	3
ART 615	Ceramic Studio	3
ART 635	Drawing Studio	3
ART 636	Painting Studio	3
ART 655	Printmaking Studio	3
ART 660	Sculpture Studio	3
ART 672	Photography Studio	3
ART 675	Integrated Media Arts Studio	3

CHILD AND ADOLESCENT GRADUATE CERTIFICATE

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Graduate Certificate Admission Requirements (p. 20)

This sequence of courses provides foundational preparation for mental health professionals who work with children and youth. The certificate program is designed for pre-service and in service mental health professionals who desire endorsement for specialization, or completion of academic requirements for registration through the Association for Play Therapy.

Prerequisites: Master's degree in appropriate mental health profession or current enrollment in appropriate graduate program.

CERTIFICATE REQUIREMENTS — 15 CREDITS

Required Credits — 9 hours

APCE 603	Understanding Children, Adolescents, and Their Systems	3
APCE 609	Foundations of Play Therapy	3

Candidates who wish to be endorsed for registration through the Association for Play Therapy will also be required to successfully complete the following:

APCE 617 Play Therapy: Theory and Practicum 3

Elective Credits — 6 hours

PSY 530 Life Span Developmental Psychology 3
 SPSY 628 Applied Behavior Analysis 3
 APCE 658 Diagnosis and Treatment Planning 3

Special Topics Courses

(offered with a rotating sequence as APCE 508 or APCE 513)

Advanced Theories of Play Therapy 1
 Parent Child Interactive Therapy 1
 Play Therapy with Traumatized Children 1
 Filial Therapy 1
 Play Therapy in School Settings 1
 Play Therapy with Special Populations 1
 Therapeutic Parenting 1

CLD (CULTURALLY AND LINGUISTICALLY DIVERSE) EDUCATION CORE GRADUATE CERTIFICATE

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Graduate Certificate Admission Requirements (p. 20)

The 12 credit CLD Core Graduate Certificate program provides licensed K-12 teachers with the opportunity to develop knowledge, skills, and disposition needed to work with CLD students in the U.S. K-12 classrooms. The certificate will help teachers fulfill one of the licensure renewal requirements in Colorado. All coursework in the program will count towards a CDE recognized CLD endorsement program offered at UNC.

CERTIFICATE REQUIREMENTS — 12 CREDITS

Take all of the following:

ECLD 504 Field Experience in Culturally & Linguistically Diverse Education 3
 ECLD 594 Foundations of Language and Linguistics for ESL/Bilingual Educators 3
 ECLD 611 CLD Methods and Assessment I 3

Choose one of the following:

ECLD 592 Second Language Acquisition Theory 3
 ECLD 593 Language, School and Society 3
 ECLD 602 Teaching Culturally Linguistically Diverse and Bilingual Learners 3

ECLD 593 or ECLD 602 may be taken with approval from program coordinator.

COMPOSITION AND LITERARY STUDIES GRADUATE CERTIFICATE

PROGRAM OVERVIEW

College of Humanities and Social Sciences

General Graduate Certificate Admission Requirements (p. 20)

This six-course (18-credit) certificate program is designed for teachers with a master's degree (in any field) who require 18 hours of graduate courses **in English or a related subfield** in order to meet the Higher Learning Commission's credential requirement for teaching dual enrollment/undergraduate English courses. Teachers without a master's degree can take the certificate course as part of the M.A.T. in English Education.

CERTIFICATE REQUIREMENTS — 18 CREDITS

Working with a program advisor the student will select six courses (18 credits) of which a minimum four (12 credits) must be from English (ENG) and/or English Education (EED). With advisor consent, the remaining two courses (6 credits) may be from a related subfield.

CULTURAL STUDIES AND EQUITY GRADUATE CERTIFICATE

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Graduate Certificate Admission Requirements (p. 20)

This graduate certificate program is intended for degree and non-degree seeking graduate students interested in issues of culture, diversity, equity and social justice. Students enrolled in any CEBS graduate program preparing for careers in teaching, administration, counseling, or research may obtain the certificate in addition to their graduate degree. Students in graduate programs outside of CEBS with interest in education are welcome, as are non-degree seeking practicing educators looking for professional development in cultural diversity.

CERTIFICATE REQUIREMENTS — 13 CREDITS

Required Credits — 7 credits

ECLD 592	Second Language Acquisition Theory	3
	or	
ECLD 602	Teaching Culturally Linguistically Diverse and Bilingual Learners	3
EDF 618	Internship in Cultural Studies and Equity	1
EDF 619	Pluralism in Education	3

Elective Credits — 6 credits

Choose from the following:

APCE 623	Understanding and Counseling Diverse Populations	3
ECLD 593	Language, School and Society	3
EDF 685	Philosophical Foundations of Education	3
EDSE 679	Interventions for Students with Cultural and Linguistic Differences	3
HESA 655	Multiculturalism in Higher Education and Student Affairs	3
HESA 665	International Higher Education and Student Affairs	3

Program Note

A "B" grade in each of the courses must be achieved to earn the Cultural Studies and Equity Certificate.

EDUCATIONAL TECHNOLOGY - INNOVATIVE PEDAGOGY GRADUATE CERTIFICATE

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Graduate Certificate Admission Requirements (p. 20)

The certificate available from the Educational Technology program provides an individual with focused expertise at the graduate level in Innovative Pedagogy. The Educational Technology graduate certificate program is intended for graduate students interested in developing specific expertise in digital education. It intends to meet the demands for technology-rich skills among professionals in educational contexts.

CERTIFICATE REQUIREMENTS — 12 CREDITS

Take the following course:

ET 523	Innovative Pedagogy and Assessment	3
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Choose three of the following courses:

ET 525	Learners and Curriculum in the Digital Age	3
ET 527	Social Justice in the Digital Age	3
ET 640	Applications of Multiliteracies	3
ET 641	Designing, Playing, and Learning	3
ET 643	Innovative Instructional Formats	3
ET 645	Children's Engineering and STEM	3

EMERGENCY NURSE PRACTITIONER (ENP) GRADUATE CERTIFICATE

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Graduate Certificate Admission Requirements (p. 20)

The certificate in ENP prepares the board certified Family Nurse Practitioner with an existing master's degree in nursing to care for patients in emergency practice across the life-span pediatrics, adolescent, young adult, adult, older adult, frail elderly in the emergency care setting. An individualized post-graduate certificate program of study is determined by an evaluation of the student's previous course work and the completion of a gap analysis once accepted into the program. The courses will be selected from the ENP Certificate requirements.

Upon program completion, the individual is eligible to apply for national certification.

Following national certification attainment the individual is eligible to be recognized as an Emergency Nurse Practitioner. Health policies, OSHA requirements, CPR, ACLS, and PALS certifications, and student malpractice insurance are required.

Prerequisites: Board certified Family Nurse Practitioner. Master's degree in nursing. Advanced Pathophysiology, Advanced Pharmacology and Advanced Health Assessment. These courses can be completed at UNC.

CERTIFICATE REQUIREMENTS — 12-16 CREDITS

Required ENP Credits — 16 hours

NURS 662	Advanced Emergency Care I	3
NURS 663	Emergency Procedures & Lab I	1
NURS 664	ENP Clinical I	2
NURS 671	Advanced Emergency Care II	3
NURS 672	Emergency Procedures and Lab II	1
NURS 673	ENP Clinical II	2
NURS 692	ENP Clinical Synthesis	4

FAMILY NURSE PRACTITIONER (FNP) GRADUATE CERTIFICATE

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Graduate Certificate Admission Requirements (p. 20)

The certificate in FNP prepares the nurse who has an existing master's degree in nursing to care for patients in family practice across the life-span pediatrics, adolescent, young adult, adult, older adult, frail elderly in the primary care setting. An individualized post-graduate certificate program of study is determined by an evaluation of the student's previous course work and the completion of a gap analysis once accepted into the program. The courses will be selected from the FNP Certificate requirements. Upon program completion, the individual is eligible to apply for national certification.

Following national certification attainment the individual is eligible to be recognized as an Advanced Practice Nurse from the State Board of Nursing with all rights and privileges associated with this title.

Health policies, OSHA requirements, CPR, ACLS certification, student malpractice insurance, and criminal background check and drug screen are required.

Prerequisites: Master's degree in Nursing. Advanced Pathophysiology, Advanced Pharmacology and Advanced Health Assessment. These courses can be completed at UNC.

CERTIFICATE REQUIREMENTS — 12-33 CREDITS

Required FNP Certificate Credits — 12-33 hours

NURS 624	Health Promotion and Disease Prevention in Advanced Practice of Nursing	3
NURS 654	Acute Care of Adults	3
NURS 656	Care of Chronic Illness in Adults	3
NURS 674	Care of Women and Pediatric Populations	3
NURS 675	FNP Clinical I	4
NURS 676	FNP Advanced Clinical Topics	2
NURS 677	FNP Clinical II	4
NURS 669	FNP Clinical III	3
NURS 689	FNP Clinical Synthesis	1-6
NURS 690	Advanced Professional Role	2

Note: NURS 689: Take up to 6 hours

GIFTED EDUCATION GRADUATE CERTIFICATE (NON-ENDORSEMENT)

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Graduate Certificate Admission Requirements (p. 20)

This four-course certificate program is designed for K-12 teachers who want to learn more about characteristics and needs of students who are identified as needing gifted education services and programming. Teachers will complete the program with a foundation in gifted education that better prepares them to meet the needs of a wide variety of learners. In addition, teachers will learn research-based instructional strategies and will be required to work directly with students to apply the knowledge and skills learned in the courses.

Federal student loans are not currently available to students who are pursuing a CO state license (initial or additional) through UNC's stand-alone, graduate level licensure programs without being simultaneously enrolled in a Masters, Specialist, or Doctoral program.

CERTIFICATE REQUIREMENTS — 12 CREDITS

Required Credits — 12 credits

EDSE 664	Diversity in Gifted Education	3
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EDSE 683	Nature and Needs of Gifted Learners	3
EDSE 685	Differentiated Curriculum and Instruction for Gifted Learners	3
EDSE 686	Social and Emotional Needs of Gifted Learners	3

HISTORY GRADUATE CERTIFICATE

PROGRAM OVERVIEW

College of Humanities and Social Sciences

General Graduate Certificate Admission Requirements (p. 20)

The Graduate Certificate in History is designed for high school teachers interested in enhancing their mastery of historical methods and acquiring an advanced grasp of the discipline of history. This six-course, 18 credit hour program also provides teachers the credentials required by the Higher Learning Commission to teach dual-enrollment courses for college credit in their schools. Additionally, the certificate program is an excellent way to earn graduate-level credits applicable to the M.A. program in history at UNC.

DEGREE REQUIREMENTS — 18 CREDITS

Students must earn 18 credits in 500 or 600 level history classes.

Required Courses — 6 hours

All students must earn passing grades for the following two courses:

HIST 500	Historiography	3
HIST 690	Writing Seminar	3

Elective Courses — 12 hours

All students must earn passing grades in four additional 500 or 600-level courses in history.

HIST 510	Seminar in Chinese History	3
HIST 512	Seminar in Asian History	3
HIST 516	Seminar in Latin American History	3
HIST 518	Modern Africa	3
HIST 520	Colonial America 1492 to 1763	3
HIST 522	Seminar in Southwest History	3
HIST 530	Topics in American History	3
HIST 557	Seminar in Medieval and Renaissance History	3
HIST 580	Seminar in History	3
HIST 589	Seminar in European History	3
HIST 595	Graduate Topics in History	3
HIST 598	Environmental History	3
HIST 622	Directed Studies	1-6
HIST 690	Writing Seminar	3

HUMAN RESOURCE MANAGEMENT GRADUATE CERTIFICATE

PROGRAM OVERVIEW

Kenneth W. Monfort College of Business

General Graduate Certificate Admission Requirements (p. 20)

With businesses going global and ever-evolving technologies, there has been a growing appreciation for the advantages of HR certifications in the industry. Skills like talent management, payroll and employee benefits, labor relations, and risk management have become mandatory for both employers (who wish to hire an HR professional) and employees (who wish to make their career in the field of HR). The ever-rising demand for skilled HR professionals who not only possess necessary new-age skills but also display a quick and strategic thought process to avert any crisis has only made HR certifications an important asset to pursue.

This 15-credit Human Resources Management graduate certificate is a sought-after credential that could add value to any organization. The core courses in the certificate are designed to give students the appropriate framework for leading human Resources functions that could improve the capability of the business in managing its human capital. The Human Resources Management Concentration courses support students' engagement with the body of knowledge directly relevant to a range of professional certification programs, including the Society for Human Resources Management – Certified Professional and the Society for Human Resources Management – Senior Certified Professional. All the concentration courses aid in students' discovery and awareness of the importance of professional certifications in the field of Human Resources Management and are expected to support students' interest in pursuing these certifications.

The certificate and its courses are embedded and stackable to the MBA program with concentration in Human Resources Management.

CERTIFICATE REQUIREMENTS— 15 CREDITS

Required Credits — 12 credits

MBA 654	Ethical Leadership and Organizational Behavior	3
MBA 681	Talent Management	3
MBA 683	Compensation, Rewards, and Performance Management	3
MBA 684	Managing Organizational Change	3

MBA Elective Credits — 3 hours

Any 3-credit MBA course

MATHEMATICS GRADUATE CERTIFICATE

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Graduate Certificate Admission Requirements (p. 20)

The certificate provides individuals with a broad background in mathematics at the graduate level.

The certificate is designed for those individuals who need 18 credit hours in graduate mathematics to meet the Higher Learning Commission's credential requirement for teaching undergraduate mathematics courses.

CERTIFICATE REQUIREMENTS — 18 CREDITS

Required Credits — 9 hours

Three of the following four courses (to total 9 credits):

MATH 534	Continuous Mathematics	3
MATH 543	Modern Geometry	3
MATH 550	Applied Probability and Statistics	3
MATH 591	Abstract Algebra and Number Theory	3

Elective Credits — 9 hours

Nine additional credit hours of graduate level (500 or above) mathematics courses. These may include the fourth course from the list of required courses. Five hundred level courses are the most suitable, and recommended courses include:

MATH 520	Functions and Equations	3
MATH 528	Discrete Mathematics	3
MATH 529	Mathematical Problem Solving	3
MATH 537	Mathematical Modeling	3
MATH 564	History of Mathematics	3
MATH 595	Topics in Mathematics	1-3

MATHEMATICS TEACHER LEADERSHIP GRADUATE CERTIFICATE

PROGRAM OVERVIEW

College of Natural and Health Sciences

This program is not currently accepting applications for admission.

General Graduate Certificate Admission Requirements (p. 20)

The courses for this certificate provide K-12 in-service mathematics teachers the opportunity to develop the knowledge, skills and dispositions to take leadership for improving K-12 mathematics education. The coursework

supports teachers in learning 1) how to work with other teachers through coaching and professional development, 2) about the role of culture in mathematics, teaching, learning and leadership, 3) how to support the development of teachers' mathematics content knowledge and 4) how to negotiate and lead change and manage conflict.

Prerequisites: Must be an in-service, credentialed K-12 math teacher or math teacher leader.

CERTIFICATE REQUIREMENTS — 18 CREDITS

Three of the following (9 credits):

MED 680	Teaching Math for Understanding I	3
MED 681	Teaching Math for Understanding II	3
MED 682	Implementing Mathematics Curriculum	3
MED 684	Mathematics Coaching	3

Take one of the following combinations (6 hours):

MED 685	Math Teacher Leadership I	2
MED 686	Math Teacher Leadership II	2
MED 687	Math Teacher Leadership III	2

OR

MED 685	Math Teacher Leadership I	2
MED 687	Math Teacher Leadership III	2
MED 688	Math Teacher Leadership IV	2

Three of the following (3 hours):

MED 683	Seminar in Equity and Diversity Issues in Mathematics Education Subtitle: Exploring the role of gender in mathematics education Subtitle: Exploring the role of identity and agency in mathematics education Subtitle: Exploring the role of race in mathematics education Subtitle: Exploring the role of socio-economic status in mathematics education	1-3
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MED 683: Repeatable under different subtitles

MEXICAN AMERICAN STUDIES GRADUATE CERTIFICATE

PROGRAM OVERVIEW

College of Humanities and Social Sciences

This program is not currently accepting applications for admission.

General Graduate Certificate Admission Requirements (p. 20)

The 12-credit hour Graduate Certificate in Mexican American Studies focuses on the development of knowledge and understanding of the Mexican American experience in the United States. This is an interdisciplinary program that combines culture with history, literature and theory. This certificate program prepares graduate students in:

- Knowledge of Mexican American experience in the United States
- Cultural competency
- Research and multimedia educational tools

CERTIFICATE REQUIREMENTS — 12 CREDITS

Required Courses — 12 credits

Select 12 hours from the courses below for the Graduate Certificate.

MAS 510	Studies in Mexican American History and Culture	3
MAS 520	Chicana/o Civil Rights Movement	3
MAS 530	Studies in Mexican American Literature	3
MAS 546	Chicana/o Theory	3
MAS 560	Narco Corrido and Mexican Folk Culture	3
MAS 630	Globalization and Transnationalism	3
MAS 650	Research Methods in Mexican American Studies	3

Program Note

No more than 3 graduate credits may be transferred into the Graduate Certificate program.

MEXICAN AMERICAN STUDIES ADVANCED GRADUATE CERTIFICATE

PROGRAM OVERVIEW

College of Humanities and Social Sciences

This program is not currently accepting applications for admission.

General Graduate Certificate Admission Requirements (p. 20)

The 18-credit hour Advanced Graduate certificate in Mexican American Studies is specifically designed for those with teacher licensure to prepare them to teach Mexican American Studies and who plan to teach dual enrolled courses both at the high school and community college levels. The Advanced Graduate Certificate in Mexican American Studies includes hybrid and online coursework and will provide graduate students with:

- Knowledge of Mexican American experience in the United States
- Cultural competency
- Pedagogical student centered learning methods
- Research and multimedia educational tools

The 18 hours required for the Advanced Graduate Certificate are necessary for teaching dual enrolled courses in Colorado high schools as well as teaching Mexican American Studies at the community college level.

CERTIFICATE REQUIREMENTS — 18 CREDITS

Required Credits — 3 credits

MAS 680	Pedagogy - Teaching Mexican American Studies	3
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Elective Credits — 15 credits

Select 15 hours from the courses below from the Advanced Graduate Certificate.

MAS 510	Studies in Mexican American History and Culture	3
MAS 520	Chicana/o Civil Rights Movement	3
MAS 530	Studies in Mexican American Literature	3
MAS 546	Chicana/o Theory	3
MAS 560	Narco Corrido and Mexican Folk Culture	3
MAS 630	Globalization and Transnationalism	3
MAS 650	Research Methods in Mexican American Studies	3

Program Note

No more than 6 graduate credits may be transferred into the Graduate Certificate program.

MUSIC PERFORMANCE GRADUATE CERTIFICATE PROGRAM

PROGRAM OVERVIEW

College of Performing and Visual Arts

General Graduate Certificate Admission Requirements (p. 20)

The Graduate Certificate in Performance is a two-semester post-baccalaureate course of study designed for advanced, non-degree seeking students wishing to pursue intense and concentrated musical study in violin, viola, violoncello, double bass, guitar, mandolin, banjo, flute, clarinet, oboe, bassoon, saxophone, horn, trumpet, tenor trombone, bass trombone, euphonium, tuba, percussion, piano, voice, or opera performance at the graduate level. Prerequisite for admission is a bachelor's degree or an equivalent diploma. Applicants whose first language is not English must prove acceptable English language ability before being granted Regular Admission. They may do so by submitting TOEFL, PTE, or IELTS test scores. International students may enroll in English courses in addition to the 12 credit-hour requirement. Applicants who successfully graduate from level 7 of UNC's Intensive English Program may be eligible for Regular Admission. Applicants who have received a bachelor's or master's degree from a US Institution do not need to submit language scores. All students are required to be enrolled in an appropriate health insurance plan.

Major programmatic emphasis is placed on the development of solo and ensemble skills. A residency of two semesters (summers excluded) at the University of Northern Colorado is required with 12 total hours of earned credit in music courses. Students must maintain a 3.0 grade point average and show satisfactory performance at juried performance examinations each semester.

Students entering the program are required to develop specific goals for the course of study in consultation with the assigned advisor. These might include preparation for solo competitions, preparation for orchestra auditions, preparation for entrance into a graduate program, or similar related goals.

CERTIFICATE REQUIREMENTS — 12 CREDITS

Students will enroll in the following courses each semester:

String students (violin, viola, cello, double bass)

MUS 673 Individual Instruction in Strings 2

MUS 630 Small Ensembles and Chamber Music 1

MUS 667 University Symphony Orchestra 1

MUS 673: Take 4 credits total (2 credits each semester)

MUS 630: Take 2 credits total (1 credit each semester)

MUS 667: Take 2 credits total (1 credit each semester)

MUS electives: Take 4 credits total (2 credits each semester)

Choose two credits of music electives each semester in consultation with assigned advisor.

Woodwind students (flute, clarinet, oboe, bassoon, saxophone)

MUS 674 Individual Instruction in Woodwinds 2

MUS 630 Small Ensembles and Chamber Music 1

Choose one of the following (Determined by audition)

MUS 667 University Symphony Orchestra 1

MUS 691 Wind Ensemble 1

MUS 674: Take 4 credits total (2 credits each semester)

MUS 667 or MUS 691: Take 2 credits total (1 credit each semester)

MUS 630: Take 2 credits total (1 credit each semester)

MUS electives: Take 4 credits total (2 credits each semester)

Choose two credits of music electives each semester in consultation with assigned advisor.

Brass and percussion students (trumpet, horn, tenor trombone, bass trombone, euphonium, tuba, and percussion)

MUS 675 Individual Instruction in Brass 2

And choose one of the following (Determined by audition)

MUS 667 University Symphony Orchestra 1

MUS 690 Symphonic Band 1

MUS 691 Wind Ensemble 1

MUS 675: Take 4 credits total (2 credits each semester)

MUS 667 or MUS 690 or MUS 691: Take 2 credits total (1 credit each semester)

MUS electives: Take 6 credits total (3 credits each semester)

Choose three credits of music electives each semester in consultation with assigned advisor.

Piano students

MUS 671 Individual Instruction in Piano 2

MUS 630 Small Ensembles and Chamber Music 1

MUS 671: Take 4 credits total (2 credits each semester)

MUS 630: Take 2 credits total (1 credit each semester)

MUS electives: Take 6 credits total (3 credits each semester)

Choose three credits of music electives each semester in consultation with assigned advisor.

Voice Students (Early music, Oratorio, and Art Song)

MUS 670	Individual Instruction in Voice	2
MUS 628	UNC Early Music Ensemble	1

MUS 670: Take 4 credits total (2 credits each semester)

MUS 628: Take 2 credits total (1 credit each semester)

Take 6 credits total (3 credits each semester) - choose three credits each semester from the following courses in consultation with assigned advisor:

MUS 536	German Art Song	2
MUS 538	French/Italian Art Song	2
MUS 539	British/American Art Song	2
MUS 561	Vocal Coaching for Singers	1
MUS 630	Small Ensembles and Chamber Music	1
MUS 685	Performance in Opera Theatre	1
MUS 686	Scene Studies in Opera	1

* MUS 536, MUS 538 and MUS 539 include an academic element. Enrollment eligibility is based on language scores.

Opera Performance Students

MUS 670	Individual Instruction in Voice	2
MUS 685	Performance in Opera Theatre	1

MUS 670: Take 4 credits total (2 credits each semester)

MUS 685: Take 2 credits total (1 credit each semester)

Take 6 credits total (3 credits each semester) - choose three credits each semester from the following courses in consultation with assigned advisor:

MUS 560	Opera Directing Seminar	1-3
MUS 561	Vocal Coaching for Singers	1
MUS 605	English Diction	1
MUS 606	German Diction	1
MUS 607	French Diction	1
MUS 608	Italian Diction	1
MUS 628	UNC Early Music Ensemble	1
MUS 686	Scene Studies in Opera	1

Folk and Bluegrass Students

MUS 630	Small Ensembles and Chamber Music	1
MUS 654	UNC Alternative Styles Ensemble	1
MUS 672	Individual Instruction in Folk and Bluegrass	2
	MUS Elective	4

MUS 630: Take 2 credits total (1 credit each semester)

MUS 654: Take 2 credits total (1 credit each semester)

MUS 675: Take 4 credits total (2 credits each semester)

MUS electives: Take 4 credits total (2 credits each semester)

Choose two credits of music electives each semester in consultation with assigned advisor.

Jazz Students - Instrumental

MUS 621	Small Jazz Ensembles	1
MUS 625	Jazz Ensembles	1
MUS 636	Individual Instruction in Jazz	2

MUS 636: Take 4 credits total (2 credits each semester)

MUS 625: Take 2 credits total (1 credit each semester)

MUS 621: Take 2 credits total (1 credit each semester)

MUS electives: Take 4 credits total (2 credits each semester)

Choose two credits of music electives each semester in consultation with assigned advisor.

Jazz Students - Vocal

MUS 636	Individual Instruction in Jazz	2
MUS 624	Vocal Jazz Ensembles	1

MUS 636: Take 4 credits total (2 credits each semester)

MUS 624: Take 2 credits total (1 credit each semester)

MUS electives: Take 6 credits total (3 credits each semester)

Choose three credits of music electives each semester in consultation with assigned advisor.

NURSING EDUCATION GRADUATE CERTIFICATE

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Graduate Certificate Admission Requirements (p. 20)

The Certificate in Nursing Education is designed to provide master's and doctorate-prepared nurses with advanced knowledge in nursing education. The courses are all online; at least 9 credit hours of graduate level course work in nursing education or approved related courses from UNC are completed to earn the certificate. At least six credits must be taken in the School of Nursing. Selection of courses is tailored to meet student needs. Students must complete each course with a grade of "B" or better.

CERTIFICATE REQUIREMENTS — 9 CREDITS

Take a minimum of three of the following courses:

NURS 631	Teaching Strategies for Practice and Academic Settings to Improve the Quality and Safety of Care or	3
NURS 741	Evidence-Based Teaching	3
NURS 679	Technology in Healthcare Education	3
NURS 760	Advanced Nursing Curriculum Design and Program Evaluation	3
NURS 780	The Professorial Role in Nursing Education	3
PSY 681	Learning and Instruction	3

PROJECT MANAGEMENT GRADUATE CERTIFICATE

PROGRAM OVERVIEW

Kenneth W. Monfort College of Business

General Graduate Certificate Admission Requirements (p. 20)

With an emphasis on process improvement, the project management certificate will help to integrate leadership and team development skills to support the success of cross-functional business projects. The certificate is designed to give students the appropriate framework for leading projects that could improve the capability of the business processes. This increase in performance and decrease in process variation helps lead to defect reduction and improvement in profits, employee morale, and quality of products or services. Moreover, the certificate encompasses a body of coursework for a systematic approach to process improvement that is used to solve organizational or team-level challenges by introducing changes that result in organizational sustainability.

The 15-credit project management certificate is a credential that could add value to any organization and helps to serve as a project team member, transition to the role of project manager and even to program management where they would manage a portfolio of projects. The Project Management certificate support students' engagement with the body of knowledge directly relevant to a range of professional certification programs, including Project Management Professional Certificate, Six sigma Belt Certificate, and Certified Lean Practitioner Certificate. The certificate aids in students' discovery and awareness of the importance of professional certifications in the field of

project management and is expected to support students' interest in pursuing these certifications.

The certificate and its courses are embedded and stackable to the MBA program with concentration in project management.

CERTIFICATE REQUIREMENTS — 15 CREDITS

Required Credits — 12 credits

MBA 654	Ethical Leadership and Organizational Behavior	3
MBA 664	Project Management Fundamentals	3
MBA 667	Six Sigma	3
MBA 668	Lean Transformation	3

MBA Elective Credits — 3 hours

Any 3-credit MBA Course

SPORT COACHING GRADUATE CERTIFICATE

PROGRAM OVERVIEW

College of Natural and Health Sciences

General Graduate Certificate Admission Requirements (p. 20)

The Sport Coaching Graduate Certificate prepares individuals to be effective sport coaches through a focus on established coaching principles, theory, and practice. In addition, individuals will be able to explore areas such as psychology, administration, international perspectives, developmental perspectives, training and conditioning principles, and the use of technology in sport coaching to providing the tools necessary to make a positive impact on athletes.

CERTIFICATE REQUIREMENTS — 15 CREDITS

Required Courses — 6 credits

SES 587	Sport Coaching Principles and Perspectives	3
SES 589	Bridging Theory and Practice in Sport Coaching	3

Elective Courses — 9 credits

SES 581	Developmental Perspectives for Sport Coaching	3
SES 582	Psychology for Sport Coaches	3
SES 583	International Perspectives of Sport Coaching	3
SES 584	Sport Administration for Sport Coaches	3

SES 586	Injury Prevention, Training and Conditioning Principles for Sport Coaches	3
SES 588	Evaluation of Coaching using Technology	3

TEACHER LEADERSHIP GRADUATE CERTIFICATE

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Graduate Certificate Admission Requirements (p. 20)

The Teacher Leadership Certificate is a 16 credit program designed to support teachers' efforts to improve teaching and learning in schools. Participants will take four courses organized to broaden their perspectives of leadership and how it functions within a school setting. Additionally, participants will develop leadership strategies and capacities to engage in collaborative leadership with peers, community and administrators.

Target participants for this effort will be practicing teachers (P-12) interested in site-based leadership activities focused on improving teaching and learning.

The delivery model for this certificate program will be an on-line, cohort-based structure with a design that allows peer exchange and collaborative planning among participants sharing interests and instructional goals.

The certificate program will be completed over one academic year sequence.

CERTIFICATE REQUIREMENTS — 16 CREDITS

Core Courses — 12 hours

ELPS 601	Leadership Development Through Inquiry	3
ELPS 603	Shaping Organizations: Management and Leadership in Education	3
ELPS 604	Understanding People: Professional Development and Educational Leadership	3
ELPS 654	Instructional Leadership and Supervision	3

Internship — 4 hours

ELPS 606	Internship in Educational Leadership	1-9
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ELPS 606: Take one credit of Internship with each Core course above for a total of 4 hours.

TEACHING CHINESE AS A SECOND LANGUAGE (CSL) GRADUATE CERTIFICATE

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Graduate Certificate Admission Requirements (p. 20)

In order to have the certificate notation applied to a student's transcript, the student must apply for admission to the certificate program through the Graduate School.

CERTIFICATE REQUIREMENTS — 15 CREDITS

Requirements

ECLD 541	Methods of Language Teaching in Multilingual Settings	3
ECLD 592	Second Language Acquisition Theory	3
ECLD 594	Foundations of Language and Linguistics for ESL/Bilingual Educators	3
ECLD 605	Seminar in Multilingual Teaching and Learning	3
EDFE 501	Practicum	1-4
	or	
	Appropriate elective approved by the program coordinator/advisor	3

Program Note

A "B-" grade or above in each of the course and an overall GPA of 3.00 or above must be achieved to earn the CSL Teaching Certificate.

TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES (TESOL) GRADUATE CERTIFICATE

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Graduate Certificate Admission Requirements (p. 20)

The Teaching English to Speakers of Other Languages (TESOL) Graduate Certificate is a 13 credit program designed to provide preparation to those interested in teaching English as a Foreign Language (EFL) in international settings, or teaching English as Second Language (ESL) in non K-12 (adult education) domestic settings. Participants will take five courses, with an experiential component, organized to prepare students at the graduate level for teaching in settings where disposition and skills are needed to work with diverse

populations in a rapidly changing world. The program is not associated with any K-12 teaching license.

CERTIFICATE REQUIREMENTS — 13 CREDITS

Take all of the following courses:

ECLD 510	Practices in ESL/EFL Instruction and Assessment	3
ECLD 523	Academic Language/Literacy Development for Diverse Learners in School Settings	3
ECLD 592	Second Language Acquisition Theory	3
ECLD 594	Foundations of Language and Linguistics for ESL/Bilingual Educators	3
EDFE 501	Practicum	1-4

Program Note

A "B-" grade or above in each of the courses and an overall GPA of 3.00 or above must be achieved to earn the TESOL Certificate.

TEACHING STUDENTS WITH AUTISM (TSA) GRADUATE CERTIFICATE

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Graduate Certificate Admission Requirements (p. 20)

This certificate program was designed to increase the knowledge school-based personnel have when teaching students with autism. It is a 4-course online series designed to prepare teachers and related service providers e.g., speech Therapists, Occupational Therapist, School Psychologist) to deliver instruction to students with autism using scientifically-based strategies. Using the current research literature, these online courses were developed to determine the content and sequence of the courses.

Participants engage in a variety of learning opportunities throughout the courses including video enhanced learning modules and technology enhanced discussions. Curriculum includes an overview of autism and teaching strategies, administering and interpreting classroom-based assessments for instructional planning, applying scientifically-based teaching strategies to increase academic achievement, increasing communication, sensory, and social skills, and addressing behavioral challenges for students with autism.

While enrolled in the classes the participant must work with at least one pre K-12 grade student with autism or severe disabilities. In order to successfully complete the classes/program, participants must complete assignments

by applying the knowledge learned to an aspect of the student's program (e.g., schedule, curriculum, programming) and demonstrating mastery of the concepts. To be awarded the Teaching Students with Autism Certificate, participants must pass each class with a grade of B- or better.

Federal student loans are not currently available to students who are pursuing a CO state license (initial or additional) through UNC's stand-alone, graduate level licensure programs without being simultaneously enrolled in a Masters, Specialist, or Doctoral program.

CERTIFICATE REQUIREMENTS — 12 CREDITS

Required Credits — 12 credits

EDSE 678	Strategies for Students with Autism/Significant Needs	3
EDSE 624	Communication, Sensory, and Social Skills Strategies for Working with Students with Autism	3
EDSE 625	Applied Behavior Analysis for Teachers	3
EDSE 626	Instructional and Behavioral Interventions for Students on the Autism Spectrum	3

Teacher Licensure

Teacher licensure programs are either attached to an undergraduate major (See Undergraduate Teacher Licensure Programs, in the University of Northern Colorado Undergraduate catalog), or are stand-alone post-baccalaureate graduate programs described below. They are approved by the Colorado Department of Education and the Colorado Department of Higher Education. These programs include initial recommendation for endorsement for teacher licensure to the Colorado Department of Education. Individuals who already possess a Colorado license and are wishing to add an additional endorsement should refer to the Graduate Added Endorsement Licensure Programs.

A teacher license is a right to teach in Colorado public schools, and an endorsement is the right to teach in a specific area (for example, in an elementary classroom or a secondary social studies classroom). Licensure programs at UNC are called PTEP- Professional Teacher Education Programs. Most licensure programs are administered by the School of Teacher Education, www.unco.edu/teach, unless otherwise noted. UNC Licensure Officer Charles R. Warren, Ph.D., NBCT, is located in the Dean's Office, McKee 126, 970-351-2653, charles.warren@unco.edu.

In this Section

- Early Childhood Special Education Endorsement (Ages 0-8 yrs) (p. 230)
- See K-12 Education, Post Baccalaureate Licensure (K-12) programs in the Undergraduate Catalog

Special Licensure

- School Orientation and Mobility (O&M) Endorsement (Ages 0-21 yrs) (p. 232)

Administration

- Administrator
- Director of Gifted Education Endorsement (p. 230)
- Special Education Director (p. 232)
- Principal (K-12) (p. 232)

Added Endorsement

- Culturally and Linguistically Diverse Bilingual Education Specialist (K-12) (p. 229)
- Culturally and Linguistically Diverse Education Endorsement (K-12) (p. 229)
- Gifted Education Core Endorsement (Ages 4-21) (p. 231)
- Gifted Education Specialist Endorsement (Ages 4-21) (p. 231)

- Special Education Generalist Endorsement (Ages 5-21 yrs) (p. 233)

ADMINISTRATOR

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Licensure and Endorsement Admission Requirements (p. 20)

The Administrator Licensure Program in the Program of Educational Leadership and Policy Studies provides opportunities for candidates to acquire the knowledge and skills needed for the day-to-day demands of the administrative positions that provide leadership for family-school-community efforts to improve education. The program not only provides opportunities for students to develop an in-depth understanding of district office roles and responsibilities, but also develops a breadth of understanding of leadership, policy development, local school governance, and contemporary educational issues.

Entering students who already possess a master's degree in Educational Leadership or a Principal License (or equivalent) need a minimum of 18 semester hours of graduate coursework and an internship (3 hours). The Administrator License requires completion of the leadership core (Please see "Leadership Core — 12 hours (p. 232)") as a prerequisite for endorsement for the Administrator License. These core learning experiences may be satisfied by equivalent prior learning experiences.

This total 21 credit hour requirement is a minimum expectation for program completion. Required courses, however, may be waived by the division if a student has taken an equivalent graduate course within the previous eight (8) years or can demonstrate the knowledge and skills for a Colorado Administrator License (see Standards for School Administrators in Colorado).

LICENSURE REQUIREMENTS — 21 CREDITS

Required Credits — 21 hours (minimum)

ELPS 606	Internship in Educational Leadership	1-9
ELPS 654	Instructional Leadership and Supervision	3
ELPS 660	Law and the Administrator	3
ELPS 665	Policy Analysis and Development	3
ELPS 667	Leadership at the District Level	3

ELPS 606: minimum 2 hours at central office and 1 hour with other agencies.

Take the following course:

ELPS 650	School Finance and Budgeting	3
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Select one of the following two courses:

PSY 674	Measurement I: Classical Test Theory	3
SRM 670	Evaluation: Models and Designs	3
SRM 665	Data Analysis for Decision-Making	3

Program Notes

Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

CULTURALLY AND LINGUISTICALLY DIVERSE (CLD) BILINGUAL EDUCATION SPECIALIST (K-12)

PROGRAM OVERVIEW**College of Education and Behavioral Sciences**

General Licensure and Endorsement Admission Requirements (p. 20)

This program is for any languages recognized by CDE for bilingual education.

The Culturally and Linguistically Diverse (CLD) Bilingual Education Specialist Endorsement leads to a Colorado state recognized endorsement in CLD Bilingual Education. The program is designed for any licensed teachers or students enrolled in a teacher licensure program. Students will acquire second language acquisition knowledge and pedagogy skills, skills to teach bilingually in a bilingual education setting.

**Please note: Federal student loans are not currently available to students who are pursuing a CO state license (initial or additional) through UNC's stand-alone, graduate level licensure programs without also being simultaneously enrolled in a Masters or Doctoral degree program.*

REQUIREMENTS — 24 CREDITS**Required Credits — 24 hours**

ECLD 504	Field Experience in Culturally & Linguistically Diverse Education	3
ECLD 523	Academic Language/Literacy Development for Diverse Learners in School Settings	3
ECLD 541	Methods of Language Teaching in Multilingual Settings	3
ECLD 592	Second Language Acquisition Theory	3

ECLD 594	Foundations of Language and Linguistics for ESL/Bilingual Educators	3
ECLD 602	Teaching Culturally Linguistically Diverse and Bilingual Learners	3
ECLD 611	CLD Methods and Assessment I	3
ECLD 612	CLD Methods and Assessment II	3

CULTURALLY AND LINGUISTICALLY DIVERSE EDUCATION ENDORSEMENT (K-12)

PROGRAM OVERVIEW**College of Education and Behavioral Sciences**

General Licensure and Endorsement Admission Requirements (p. 20)

The graduate Culturally and Linguistically Diverse Education endorsement (K-12) program was created to prepare teachers to serve the growing number of English language learners in their classrooms, and to address the critical shortage of teachers who are eligible to apply for the Colorado CLD Education endorsement so that they can effectively educate students who are learning English as a new language. The CLD endorsement program requires the completion of 24 semester hours. Requirements for the program include: Admission to the Graduate School; and teaching licensure or enrollment in a teacher preparation program. Evidence of second language learning experience needs to be demonstrated for completion of this program.

**Please note: Federal student loans are not currently available to students who are pursuing a CO state license (initial or additional) through UNC's stand-alone, graduate level licensure programs without also being simultaneously enrolled in a Masters or Doctoral degree program.*

REQUIREMENTS — 24 CREDITS**Required Credits — 24 hours**

ECLD 504	Field Experience in Culturally & Linguistically Diverse Education	3
ECLD 523	Academic Language/Literacy Development for Diverse Learners in School Settings	3
ECLD 592	Second Language Acquisition Theory	3
ECLD 593	Language, School and Society	3
ECLD 594	Foundations of Language and Linguistics for ESL/Bilingual Educators	3
ECLD 602	Teaching Culturally Linguistically Diverse and Bilingual Learners	3
ECLD 611	CLD Methods and Assessment I	3

ECLD 612 CLD Methods and Assessment II 3

Program Notes

For UNC graduates with the following courses:

- EDEL 250/EDEC 250, TESL 350/ECLD 360, and EDEL 455/ECLD 455 or EDRD 340/ECLD 340, with a grade at C+ or above,

The following courses will be waived towards this CLD Endorsement:

- EDEL 250/EDEC 250 for waiving ECLD 602;
- TESL 350/ECLD 360 for waiving ECLD 592;
- EDEL 455/ECLD 455 or EDRD 340/ECLD 340 for waiving ECLD 523.

DIRECTOR OF GIFTED EDUCATION ENDORSEMENT

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Licensure and Endorsement Admission Requirements (p. 20)

The Director of Gifted Education endorsement program is designed to prepare students to become gifted education administrators. The course of study is a highly individualized program based on the background of the student and is designed to provide a broad knowledge base in all areas of gifted education. Depending upon the licensure of the student, a program is designed to provide an in-depth knowledge of the field of gifted education, emphasizing the wide variety of children with gifted education needs with regard to delivery systems, evaluation, programming, identification, finance, law, policy, and regulations.

Federal student loans are not currently available to students who are pursuing a CO state license (initial or additional) through UNC's stand-alone, graduate level licensure programs without being simultaneously enrolled in a Masters, Specialist, or Doctoral program.

REQUIREMENTS — 27-36 CREDITS

Required Major Credits — 9 hours

EDSE 683	Nature and Needs of Gifted Learners	3
EDSE 685	Differentiated Curriculum and Instruction for Gifted Learners	3
EDSE 686	Social and Emotional Needs of Gifted Learners	3

Gifted Education Administration — 18-27 hours

EDSE 667	Administration and Supervision of Gifted Education	3
EDSE 668	Administrative Planning and Program Evaluation in Gifted	3
EDSE 669	Externship in Gifted Education Administration	1-12
ELPS 650	School Finance and Budgeting	3
ELPS 654	Instructional Leadership and Supervision	3
ELPS 660	Law and the Administrator	3

Note: EDSE 669: Take a minimum of 3 hours, consult with advisor.

EARLY CHILDHOOD SPECIAL EDUCATION ENDORSEMENT (AGES 0-8 YRS)

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Licensure and Endorsement Admission Requirements (p. 20)

The graduate level endorsement program for the Early Childhood Special Education (ECSE) is designed to prepare outstanding early childhood special education educators to meet the unique educational needs of children from birth through age 8. This program is designed to develop a range of specialized skills for individuals who work in classrooms and community-based settings with children who have identified disabilities or are at-risk and their families. The program leads to recommendation for Colorado Department of Education's ECSE Generalist Teaching License/endorsement, and ECSE Specialist endorsement. In addition, the students will receive a recommendation for Large Child Care Center Director Qualification through the Colorado Department of Human Services. The program consists of the required courses and practicum requirements agreed upon by the student and advisor. If a student enters the endorsement program for ECSE without a current teacher licensure, the student is required to complete additional admission requirements and course requirements listed under Professional Teacher Education.

Federal student loans are not currently available to students who are pursuing a CO state license (initial or additional) through UNC's stand-alone, graduate level licensure programs without being simultaneously enrolled in a Masters, Specialist, or Doctoral program.

REQUIREMENTS — 33 CREDITS

Required Credits — 33 hours

EDSE 510	Foundations of Special Education	3
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EDSE 511	Content Accessibility for CLD and Students with Identified Needs	3
EDSE 512	Assessment, IEP Development and Instructional Planning	3
EDSE 530	Family/Professional Partnerships	3
EDSE 531	Assessment and Planning in Early Childhood Special Education	3
EDSE 532	Typical and Atypical Early Child Development: Application to Early Childhood Special Education	3
EDSE 533	Curriculum and Instruction in Early Childhood Special Education	3
EDSE 534	Research, Policy, and Advocacy in Early Childhood Special Education	3
EDSE 537	Practicum in EC/ESCE: Infants and Toddlers	2
EDSE 538	Practicum in EC/ECSE: 3-5 years	2
EDSE 539	Practicum in EC/ECSE: 5-8 years	2
EDSE 616	Scientifically Based Literacy Interventions	3

Elective Courses:

Elective courses may be taken for the Applied Behavior Analysis Certificate Program, the Autism Certificate Program or courses with advisor approval up to 12 credits.

GIFTED EDUCATION CORE ENDORSEMENT (AGES 4-21)

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Licensure and Endorsement Admission Requirements (p. 20)

The Gifted Education Core Endorsement graduate program prepares teachers at the elementary and secondary level to work with gifted and talented students in order to help them develop their full potential. Successful completion of this program will allow teachers with a Colorado teaching license to add the Gifted Education Core Endorsement to their current licenses. Students are required to pass the approved Praxis exam prior to adding the endorsement. The program consists of the required courses and practicum requirements agreed upon by the student and advisor.

Federal student loans are not currently available to students who are pursuing a CO state license (initial or additional) through UNC's stand-alone, graduate level licensure programs without being simultaneously enrolled in a Masters, Specialist, or Doctoral program.

REQUIREMENTS — 24 CREDITS

Required Credits - 24 hours

EDSE 664	Diversity in Gifted Education	3
EDSE 683	Nature and Needs of Gifted Learners	3
EDSE 684	Assessment and Identification in Gifted Education	3
EDSE 685	Differentiated Curriculum and Instruction for Gifted Learners	3
EDSE 686	Social and Emotional Needs of Gifted Learners	3
EDSE 687	Program Strategies and Services for Gifted Learners	3
EDSE 688	Communication, Collaboration, and Leadership in Gifted Education	3
EDSE 691	Practicum in Teaching Gifted Learners	1-12

EDSE 691: Take 3 hours - Number of hours determined by advisor based on candidates' prior background and experiences in gifted education.

GIFTED EDUCATION SPECIALIST ENDORSEMENT (AGES 4-21)

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Licensure and Endorsement Admission Requirements (p. 20)

The Gifted Education Specialist Endorsement MA program prepares teachers at the elementary and secondary level to work with gifted and talented students in order to help them develop their full potential. This program also prepares educators to serve as building- or district-level gifted education coordinators. Successful completion of this program will allow teachers with a Colorado teaching license to add the Gifted Education Specialist Endorsement to their current licenses. Students are required to pass the approved Praxis exam prior to adding the endorsement. The program consists of the required courses and practicum requirements agreed upon by the student and advisor.

Federal student loans are not currently available to students who are pursuing a CO state license (initial or additional) through UNC's stand-alone, graduate level licensure programs without being simultaneously enrolled in a Masters, Specialist, or Doctoral program.

REQUIREMENTS — 33 CREDITS**Required Major Core Credits — 3 hours**

SRM 600 Introduction to Graduate Research 3

Concentration Requirements — 30 hours

EDSE 664 Diversity in Gifted Education 3

EDSE 665 Advocacy in Gifted Education 3

EDSE 683 Nature and Needs of Gifted 3

Learners

EDSE 684 Assessment and Identification in 3

Gifted Education

EDSE 685 Differentiated Curriculum and 3

Instruction for Gifted Learners

EDSE 686 Social and Emotional Needs of 3

Gifted Learners

EDSE 687 Program Strategies and Services 3

for Gifted Learners

EDSE 688 Communication, Collaboration, 3

and Leadership in Gifted

Education

EDSE 690 Action Research and Reflective 3

Practice in Gifted Education

EDSE 691 Practicum in Teaching Gifted 1-12

Learners

EDSE 691: Take 3 hours - Number of hours determined by advisor based on candidate's prior background and experience in gifted education.

PRINCIPAL (K-12)**PROGRAM OVERVIEW****College of Education and Behavioral Sciences**

General Licensure and Endorsement Admission Requirements (p. 20)

The principals' licensure program provides opportunities to acquire knowledge about leadership in P-12 educational settings. The program is designed according to the Standards for Principals through the Colorado Department of Education and State Board of Education. Program requirements include 27 semester hours of coursework including a field experience.

REQUIREMENTS — 27 CREDITS**Leadership Core — 12 hours**

ELPS 601 Leadership Development Through 3

Inquiry

ELPS 603 Shaping Organizations: 3

Management and Leadership in

Education

ELPS 604 Understanding People: 3

Professional Development and

Educational Leadership

ELPS 605 External Environments: Social, 3
Political, and Economic Influences
in Educational Leadership

Additional Requirements — 15 hours minimumELPS 606 Internship in Educational 1-9
LeadershipELPS 654 Instructional Leadership and 3
Supervision

ELPS 660 Law and the Administrator 3

ELPS 670 The Principalship: Leadership at 3
the School Site Level**SCHOOL ORIENTATION AND MOBILITY
(O&M) ENDORSEMENT (AGES 0-21YRS)****PROGRAM OVERVIEW****College of Education and Behavioral Sciences**

General Licensure and Endorsement Admission Requirements (p. 20)

The orientation and mobility endorsement is designed to provide additional competencies for students completing their graduate licensure program in Special Education: Visual Impairment. Students must obtain faculty consent before enrolling in any mobility coursework. Students earning licensure in O&M through the Association for Education and Rehabilitation of Blind and Visually Impaired (ACVREP) must complete the following coursework in addition to the Visual Impairment program requirements.

Federal student loans are not currently available to students who are pursuing a CO state license (initial or additional) through UNC's stand-alone, graduate level licensure programs without being simultaneously enrolled in a Masters, Specialist, or Doctoral program.

REQUIREMENTS — 15 CREDITSEDSE 547 Individual Instruction in 3
Orientation and MobilityEDSE 647 Applied Methods in Orientation 3
and MobilityEDSE 648 Practicum in Orientation and 3-9
Mobility

EDSE 648: Repeatable, maximum of 9 credits

SPECIAL EDUCATION DIRECTOR

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Licensure and Endorsement Admission Requirements (p. 20)

The course of study is a highly individualized program based on the background of the student and is designed to provide broad knowledge base for all areas of special education. Depending upon the licensure of the student, a program is designed to provide an in-depth knowledge of the field of special education, emphasizing the wide variety of children with special education needs with regard to delivery systems, evaluation, programming, identification, finance, law and due process.

Federal student loans are not currently available to students who are pursuing a CO state license (initial or additional) through UNC's stand-alone, graduate level licensure programs without being simultaneously enrolled in a Masters, Specialist, or Doctoral program.

LICENSURE REQUIREMENTS — 28-39 CREDITS

Required Major Credits — 28-39 hours

EDSE 510	Foundations of Special Education	3
EDSE 511	Content Accessibility for CLD and Students with Identified Needs	3
EDSE 512	Assessment, IEP Development and Instructional Planning	3

Special Education Administration (22-33 hours)

EDSE 680	Administration and Supervision of Special Education	3
EDSE 681	Administrative Planning and Program Evaluation in Special Education	3
EDSE 697	Externship in Special Education: Administration	1-12
EDSE 718	Advanced Seminar in Education of Students with Hearing and/or Visual Loss	3
ELPS 650	School Finance and Budgeting	3
ELPS 654	Instructional Leadership and Supervision	3
ELPS 660	Law and the Administrator	3

Program Note

Students wishing to obtain Colorado licensure in this area are required to pass proficiency examination(s). Students should contact the School of Special Education.

SPECIAL EDUCATION GENERALIST ENDORSEMENT (AGES 5-21 YRS)

PROGRAM OVERVIEW

College of Education and Behavioral Sciences

General Licensure and Endorsement Admission Requirements (p. 20)

This graduate-level endorsement program for preparing teachers to work with students with special education needs ages 5-21 years is designed for individuals who already have a current teaching license in early childhood or elementary/secondary education and do not require additional practicum hours to meet the state requirements for an added endorsement. Colorado does not require practicum hours for an added endorsement. The candidate is required to pass all state-required licensure exams prior to applying for a special education added endorsement. The program consists of the required courses specified in the student's program of study.

Federal student loans are not currently available to students who are pursuing a CO state license (initial or additional) through UNC's stand-alone, graduate level licensure programs without being simultaneously enrolled in a Masters, Specialist, or Doctoral program.

REQUIREMENTS — 24 CREDITS

Required Credits — 24 hours

EDSE 510	Foundations of Special Education	3
EDSE 511	Content Accessibility for CLD and Students with Identified Needs	3
EDSE 512	Assessment, IEP Development and Instructional Planning	3
EDSE 613	Applied Assessment	3
EDSE 614	Behavioral Interventions	3
EDSE 616	Scientific Based Literacy Interventions	3
EDSE 617	Mathematics and Content Area Learning for Students with Disabilities	3
EDSE 618	Educating Students with Significant Support Needs	3
EDSE 619	Secondary Services	3

Internship

DIETETIC INTERNSHIP NON-DEGREE

PROGRAM OVERVIEW

College of Natural and Health Sciences

The UNC Dietetic Internship is a distance education based, post-baccalaureate, non-degree, non-certificate program created to prepare post-baccalaureate students for careers in the dietetics professions. It is accredited by the Accreditation Council for Education Nutrition and Dietetics (ACEND), 120 South Riverside Plaza, Suite 2190, Chicago, IL 60606 (800-877-1600). Application to the program is through the Dietetic Internship Central Application System (DICAS) at <https://portal.dicas.org> and registration with the match system, D&D Digital (www.dndigital.com) is required. Please see UNC Dietetic Internship website (<https://www.unco.edu/nhs/nutrition-dietetics/>) for additional information on application process. Applicants must have completed a baccalaureate degree and obtained a Verification Statement of completion of the Didactic Program in Dietetics competencies from an ACEND- accredited program prior to beginning the Internship upon selection. Successful completion of the Dietetic Internship results in a Verification Statement of completion of the internship competencies making the graduate eligible to take the national credentialing examination to be a Registered Dietitian.

There are three primary practice areas: clinical, community and food service and are required of all interns in the program. In addition, there are two concentration areas to select from: Management in Dietetics and Nutrition Education and Counseling in Dietetics. There is a mandatory 3-day orientation period in Greeley, CO that provides the necessary information to begin. Approval of the supervised practice schedule by the Dietetic Internship Coordinator is required prior to enrolling in FND 592 and beginning the rotations.

PROGRAM REQUIREMENTS — 24 CREDITS

Required Credits - 24 Credits

FND 510	Foodservice Management	2
FND 512	Medical Nutrition Therapy Skills	2
FND 592	Dietetics Supervised Practice	1-10

FND 592: Students must complete 20 hours.

Other Graduate Degree Programs

INTERDISCIPLINARY STUDIES: GRADUATE INTERDISCIPLINARY DEGREE

This Program is not currently accepting applications for admission.

The Graduate Interdisciplinary Degree Program (GIDP) is designed to be a rigorous, quality program providing the opportunity to qualified students to meet career goals by combining two or more disciplines into a single degree program. To ensure the quality of the program, a faculty member will be assigned from each discipline concerned to provide close supervision, participation, and coordination. It is imperative that the program be truly interdisciplinary and represents an integration of subject matter from each of the major disciplines. Programs that parallel other degree programs are not acceptable as interdisciplinary degree programs. Identification of two primary disciplines which will be combined in the proposed program. At least one of the primary disciplines listed must offer a program leading to the desired degree (i.e., MA, MAT, MM, MS, DA or Ed.D.). Secondary disciplines may also be included.

Applicants for the GIDP are encouraged to consult with the Graduate School and program coordinators in the disciplines the applicant hopes to combine in the proposed program prior to submitting their application. Applicants must apply through the university's online application for graduate programs.

Interdisciplinary Admission Application

1. The student should choose the different degree programs the student wants to combine into an interdisciplinary degree (up to 2 programs). At least one of the primary disciplines listed must offer a program leading to the desired degree, (i.e., MA, MAT, MM, MS, DA or Ed.D.). Secondary disciplines may also be included.
2. Pay the application fee.
3. One official copy of the applicant's transcripts from all colleges or universities attended (except UNC).
4. If one or both degree programs requires GRE scores, then one official copy of the applicant's GRE General Test scores (not more than five years - 1,825 calendar days old) sent from Educational Testing Service to the Graduate School. A student copy of the GRE results will be accepted in the packet for processing to the program area for screening. NO admission will be granted until the official GRE report is received from Educational Testing Service.
5. Three letters of recommendation from appropriate professional sources attesting to the applicant's ability

to pursue the intended graduate interdisciplinary program.

6. A detailed written statement of career goals and objectives and a rationale for pursuing the proposed interdisciplinary program. This must be a compelling statement clarifying why no single existing degree program could satisfy these goals.
7. Identification of two primary disciplines which will be combined in the proposed program. At least one of the primary disciplines listed must offer a program leading to the desired degree, (i.e., MA, MAT, MM, MS, DA or Ed.D.). Secondary disciplines may also be included.
8. A current resume that summarizes academic and professional experiences, activities, publications, and other pertinent information.

Preliminary Review.

Faculty from the selected programs will review the application, applying their usual admission criteria.

All disciplines included in the proposal must recommend admission and must designate graduate faculty advisors before the Graduate School confers admission status.

If the applicant is admitted to both programs, then the faculty will work with the student to develop an appropriate Plan of Study.

Program Criteria. The Plan of Study must meet the following criteria:

1. If the graduate faculty advisors determine a student has any course or degree deficiencies in their background, the proposal must list the course work necessary to alleviate those course or degree deficiencies. (Deficiency courses must be completed as soon as possible).
2. SRM 600 or one of the research-oriented substitute courses approved by the Graduate Council (master's) or a twelve (12) hour research core (doctoral) must be proposed. The proposal must also contain at least one additional research methods, statistics, or applied research courses (i.e., computer science, tests/measurements, etc.).
3. Secondary disciplines (divisions/schools) are defined as those disciplines in which nine (9) to eleven (11) semester hours of course work are proposed at the master's levels or those disciplines in which nine (9) to fourteen (14) semester hours of course work are proposed at the doctoral level. If identified in the program proposal, these disciplines must assign an advisor and approve the selected course work.
4. Proposed courses must be offered with sufficient frequency to allow completion of the degree requirements within a reasonable amount of time, e.g., two years for a thirty (30) semester hour program or

three to four years for a sixty-four (64) semester hour program. Furthermore, research and library resources must be available to facilitate the completion of the thesis, if applicable, or dissertation.

5. No more than one-third of the proposed courses may be double-numbered courses offered simultaneously toward undergraduate and graduate students.
6. No more than nine (9) semester hours, individually or in combination, of courses numbers 508, 513, or 622 may be proposed or counted in the degree program.
7. Program proposals must conform to all other Graduate School policies and procedures, e.g., transfer of credit. Prior to submission to the Graduate School, the *Graduate Interdisciplinary Degrees Plan of Study* form must be signed by the student, all graduate faculty advisors, and all primary and secondary school directors. Until an approved plan of study is filed with the Graduate School, a hold is placed on an interdisciplinary student's ability to register for classes.
8. **Master's Degree:** Proposed course work must equal at least thirty (30) semester hours of graduate level courses plus any deficiency credits.

At least twelve (12) semester hours of graduate level course work must be proposed in each of at least two primary disciplines. Courses numbered 622 and 699 may not be used to meet this requirement.

If a thesis is proposed, the thesis must be a minimum/maximum of six (6) semester hours.

One of the designated advisors must be named as the Program Advisor.

9. **Doctoral Degree:** Proposed course work must equal at least sixty-four (64) semester hours beyond a master's degree excluding any deficiency credits. If an applicant does not hold a master's degree, the proposed course work must equal at least ninety-four (94) semester hours.

At least fifteen (15) semester hours of graduate-level course work must be proposed in each of at least two primary disciplines. If an applicant does not hold a master's degree, the proposed course work in each of at least two primary disciplines must equal a minimum of eighteen (18) semester hours. Courses numbered 622, 797 and 799 may not be used meet this requirement.

The Plan of Study must include four (4) semester hours of proposal (797) and twelve (12) semester hours of doctoral dissertation (799)

When there are only two primary disciplines proposed, one of the two designated graduate faculty advisors must be named as the program advisor. In addition, the

two designated advisors and the study must recommend at least one additional graduate faculty advisor, subject to approval by their school director and the Dean of the Graduate School.

Advising. Together, the graduate faculty advisors are known as the Program Advisory Committee. It is the responsibility of the Program Advisory Committee to assist the student in planning and coordinating the degree program. Any deviation from the approved proposal must be approved in advance by the Program Advisory Committee and the Graduate School.

Committees. At the doctoral level, the Program Advisory Committee plus a graduate faculty representative appointed by the Dean of the Graduate School shall serve as the doctoral committee. The doctoral dissertation proposal and dissertation shall be under the supervision of a research advisor who is a member of the graduate faculty and holds doctoral research endorsement.

Comprehensive Examinations. Each interdisciplinary degree program student must pass a written comprehensive examination which is designed, administered, and evaluated by the Program Advisory Committee and by other qualified individuals as identified by the program advisor. All doctoral students must also pass an oral comprehensive examination (see the Comprehensive Examination: Oral section of this Catalog for further details).

Dissertation. Each doctoral interdisciplinary degree program student must complete a dissertation proposal and final dissertation that reflects the integrated nature of the interdisciplinary degree. Students in interdisciplinary degree programs must comply with the same policies and procedures that guide research proposals and dissertations in distinct disciplines or areas of study.

COURSE DESCRIPTIONS

Course designation information can be found in the **Course Designation Policy** (p. 45). Course fee information can be found at www.unco.edu/costs/.

AFS - Africana Studies

College of Humanities and Social Sciences
Africana Studies Program

AFS 550 - African American History, 1896-Present (3)

A critical examination of African American history from the pivotal 1896 Homer Plessy U.S. Supreme Court decision to the present.

Level Restriction: Include GR.

ANT - Anthropology

College of Humanities and Social Sciences
Department of Anthropology

ANT 500 - Immigrant and Refugee Health (3)

This course explores migration and health in global perspective, focusing on the sociocultural, political, and economic factors contributing to health disparities for refugees, asylum seekers, and undocumented migrants.

Offered: Generally offered Fall Odd Years. Class Restriction: Exclude Freshman and Sophomore.

ANT 508 - Workshop (1 - 3)

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

ANT 525 - Fieldwork in Archaeology (4)

Required laboratory arranged. Introduction to archaeological field methods through participation in an archaeology field school experience. Students will participate in an on-going archaeological research project for four weeks during the summer.

Prerequisite: ANT 120 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore. Course Fee: Participation Fee Required.

ANT 622 - Directed Studies (1 - 4)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

APCE - Applied Psychology and Counselor Education

College of Education and Behavioral Sciences

Department of Applied Psychology and Counselor Education (p. 82)

APCE 508 - Workshop (1 - 3)

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

APCE 513 - Professional Renewal (1 - 3)

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than the acquisition of general discipline knowledge or methodologies. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

APCE 601 - Practicum (1 - 3)

Supervised professional activity in student's major field; approximately 37.5 clock hours of work per credit. S/U graded.

Major/Minor Restriction: Include Community Counseling (and) Clinical Mntl Hlth Counseling (and) Counselor Education (and) Counselor Ed and Supervision (and) Counseling Psychology (and) School Counseling (and) School Psychology (and) Marriage/Couples/Family Couns. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 3 credit hours.

APCE 602 - Foundations of School Counseling (3)

Study the conceptual foundation of the counseling and school counseling professions including history, philosophy, principles and trends. Includes functions of counselors, administrators, teachers and parents in meeting students' needs.

Level Restriction: Include GR.

APCE 603 - Understanding Children, Adolescents, and Their Systems (3)

A comprehensive study of therapeutic approaches and techniques for children and adolescents. The course focuses on the therapeutic involvement of significant others with children in a variety of settings.

Prerequisite: APCE 607 with a minimum grade of C. Level Restriction: Include GR.

APCE 605 - Group Laboratory Experience (1)

Provides an opportunity to participate in a group experience. S/U graded.

Prerequisite: (Concurrent Prerequisite APCE 606 or Concurrent Prerequisite APCE 662 with a minimum grade of C). Level Restriction: Include GR.

APCE 606 - Theories and Practices in Group Guidance (3)

Must be taken at site of admission. Study theories and methods of group counseling including applications in school settings for educational planning, career decisions and interpersonal relations, and forming and facilitating guidance groups in educational settings.

Prerequisite: (APCE 602 or APCE 607 with a minimum grade of C). Corequisite: APCE 605. Level Restriction: Include GR.

APCE 607 - Theories of Counseling (3)

The study and critical analysis of the major counseling theories and elements of effective psychotherapy as they apply to the counseling process.

Major/Minor Restriction: Include Clinical Counseling (and) Community Counseling (and) Clinical Mntl Hlth Counseling (and) Counselor Education (and) Counselor Ed and Supervision (and) Counseling Psychology (and) School Counseling (and) School Psychology (and) Marriage/Couples/Family Couns. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

APCE 608 - Organization, Administration and Evaluation of School Counseling Programs (3)

The major focus of this applied course is on the design, development, implementation, and evaluation of a

comprehensive school counseling program that meets national standards.

Prerequisite: APCE 602 with a minimum grade of C. Major/Minor Restriction: Include Community Counseling (and) Clinical Mntl Hlth Counseling (and) Counselor Education (and) Counselor Ed and Supervision (and) Counseling Psychology (and) Marriage/Couples/Family Couns (and) School Counseling (and) School Psychology. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

APCE 609 - Foundations of Play Therapy (3)

Course includes an overview of play therapy principles, history, techniques, and modalities. Course features a practicum element during which students conduct one play therapy session, under supervision of the instructor.

Level Restriction: Include GR.

APCE 612 - Practicum in Individual Counseling (5)

Students will receive supervised experience in counseling, including use of audio and video tapes, client and supervisor feedback, and seminar. This course must be taken at the site of admission. S/U graded.

Prerequisite: (APCE 658 and APCE 607 with a minimum grade of C) and (APCE 602 or APCE 650 with a minimum grade of C) and (PSY 530 with a minimum grade of C). Offered: Generally offered Fall, Spring, and/or Summer Annually. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 10 credit hours. Course Fee: Course Fee Required.

APCE 614 - Internship in School Counseling and Guidance (1 - 9)

Refer to program handbook. Must be taken at site of admission. A culminating field experience for counseling students engaged in counseling and guidance activities in elementary, middle, and high school settings under the supervision of one or more licensed school counselors. S/U graded.

Prerequisite: (APCE 608 and APCE 612 with a minimum grade of C). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 18 credit hours. Course Fee: Supervision Fee Required.

APCE 616 - Career Theory, Counseling and Assessment (3)

Study theory and methods of career counseling, introduce and become familiar with career assessment instruments, and discuss current issues in the field of career counseling.

Level Restriction: Include GR. Course Fee: Assessment Fee Required.

APCE 617 - Play Therapy: Theory and Practicum (3)

Study theoretical bases for play therapy and conduct play therapy under faculty supervision.

Prerequisite: APCE 612 with a minimum grade of C. Level Restriction: Include GR. Course Fee: Course Fee Required.

APCE 619 - Practicum II in Individual Counseling (3)

Practicum II is a field-based experience, viewed as a transitional experience to be completed after successful completion of Practicum I and prior to registering for and completing Internship hours. S/U graded.

Prerequisite: (APCE 612 with a minimum grade of C) and (APCE 606 or APCE 662 with a minimum grade of C). Corequisite: APCE 616 and APCE 673. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

APCE 622 - Directed Studies (1 - 3)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

APCE 623 - Understanding and Counseling Diverse Populations (3)

An examination of counselor training issues and counseling skills relevant to working with clients with diverse cultural backgrounds. This course will sensitize students to the concerns of various cultural groups.

Major/Minor Restriction: Include Clinical Counseling (and) Community Counseling (and) Clinical Mntl Hlth Counseling (and) Counselor Ed and Supervision (and) Counseling Psychology (and) School Counseling (and) School Psychology (and) Marriage/Couples/Family Couns. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

APCE 624 - Assessment and Treatment of Substance Abuse (3)

Examination of major treatment approaches to substance abuse and theories of etiology. Investigation of pharmacological and medical aspects of commonly used substances. Explore addiction and abuse in related compulsive behaviors.

Level Restriction: Include GR.

APCE 650 - Orientation to Clinical Counseling (3)

Provides conceptual foundation for the counseling profession with emphasis on community counseling. Places the profession in a historical context; introduces

associations, licensure, certification, accreditation, codes of ethics, and practice settings.

Level Restriction: Include GR.

APCE 657 - Legal and Ethical Aspects of Counseling and Psychology (3)

Covers the interrelationship of ethical standards and legal regulation in professional counseling, education and psychology. Ethical standards, litigation and legal regulation are examined in regard to professional practice.

Level Restriction: Include GR.

APCE 658 - Diagnosis and Treatment Planning (3)

An introduction to diagnostic criteria, according to the DSM, for mental and emotional disorders. Students will learn about treatment planning based on causes, symptoms, characteristics, and classifications of abnormal behavior.

Prerequisite: (APCE 602 and Concurrent Prerequisite APCE 607 with a minimum grade of C) or (APCE 650 and Concurrent Prerequisite APCE 607 with a minimum grade of C) or (Concurrent Prerequisite APCE 701 and Concurrent Prerequisite APCE 707 with a minimum grade of C). Offered: Generally offered Fall, Spring, and/or Summer Annually. Level Restriction: Include GR.

APCE 660 - Psychological Consultation: Theory and Practice (3)

Overview of consultation theory and practice. Mental health, expert, collaborative, behavioral and organizational models will be discussed and applied to problems in school and agency settings.

Prerequisite: APCE 607 with a minimum grade of C. Level Restriction: Include GR.

APCE 661 - Psychological Trauma and Intervention for Individuals, Families and Communities (3)

An overview of the impact of crises, disasters, and other trauma-causing events on individuals, families and communities. Students will be introduced to strategies and interventions for working with this population.

Prerequisite: (APCE 607 and APCE 657 and APCE 658 with a minimum grade of C). Offered: Generally offered Spring Annually. Level Restriction: Include GR.

APCE 662 - Group Dynamics and Facilitation (3)

Must be taken at site of admission. Course features an examination of theoretical bases of group counseling including group types, group development, leadership styles and skills, and application to various populations. Ethical group leadership is emphasized.

Prerequisite: APCE 607 with a minimum grade of C.
Corequisite: APCE 605. Major/Minor Restriction: Include Clinical Counseling (and) Community Counseling (and) Clinical Mntl Hlth Counseling (and) Counselor Education (and) Counselor Ed and Supervision (and) Counseling Psychology (and) School Counseling (and) School Psychology (and) Marriage/Couples/Family Couns. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

APCE 665 - Family Systems (3)

Study general systems theory of family development and interactions. Structural, communication and behavioral approaches to family therapy will be examined as well as ethics, legal issues and current research.

Level Restriction: Include GR.

APCE 668 - Sexuality Counseling (3)

Recommended for advanced students. Counselors explore the treatment of various sexual issues. Topics covered: male and female sexual systems, sexual myths, variations in sexual behavior and common sexual concerns. Various therapeutic approaches are presented.

Level Restriction: Include GR.

APCE 669 - Advanced Methods: Couples and Family Therapy (3)

Course expands on family therapy models presented in APCE 665 and includes other significant models. Training activities include diagnosis, assessment, case presentations, enactments, video use and case analysis.

Prerequisite: (Concurrent Prerequisite APCE 612 and APCE 665 with a minimum grade of C). Level Restriction: Include GR.

APCE 673 - Appraisal and Assessment in Counseling (3)

This course features an overview of individual and group approaches to assessment used by professional counselors. Course participants evaluate instruments, interpret results, and demonstrate knowledge of psychometric properties.

Major/Minor Restriction: Include Clinical Counseling (and) Community Counseling (and) Clinical Mntl Hlth Counseling (and) Counselor Education (and) Counselor Ed and Supervision (and) Counseling Psychology (and) School Counseling (and) School Psychology (and) Marriage/Couples/Family Couns. Type of Restriction For

Major/Minor Code: Major(s). Level Restriction: Include GR. Course Fee: Assessment Fee Required.

APCE 674 - Assessment for Intervention: Cognitive and Academic (4)

This course is designed to cover the basic skills needed to administer and interpret individual intelligence and academic achievement tests, report writing, and provision of verbal feedback from assessment results.

Corequisite: APCE 677. Level Restriction: Include GR. Course Fee: Assessment Fee Required.

APCE 677 - Psychometrics in Counseling Psychology (1)

Course covers topics in psychometrics including theory and techniques of psychological measurement, scale and inventory construction, reliability, validity, evaluation of measurement quality, classical and contemporary measurement theory, and standardization.

Level Restriction: Include GR.

APCE 678 - Assessment for Intervention: Personality and Behavior (4)

Provides a foundation of learning the application of personality assessments. Supervised experiences in learning how to administer, interpret, and integrate assessment results in relationship to counseling psychology research and practice.

Prerequisite: APCE 674 with a minimum grade of C. Level Restriction: Include GR. Course Fee: Assessment Fee Required.

APCE 682 - Biological Aspects of Behavior (3)

Presentation of the biological/neuroanatomical underpinnings of behavior and affect, including: function/structure of nervous system, neuropathy, physiology of psychopathology, psychopharmacology, sensation/perception, physiology of emotion, sleep, reproduction and motivation.

Level Restriction: Include GR.

APCE 683 - Affective Aspects of Behavior (1)

Examination of the affective aspects of behavior including topics such as affect, mood, and emotion. An overview and construction of affect, emotional regulation and dysregulation; biological, cognitive, developmental, social/cultural aspects of affect, and interventions.

Level Restriction: Include GR.

APCE 691 - Internship in Clinical Counseling: Couples and Family Therapy (1 - 9)

Refer to program handbook. Must be taken at site of admission. Minimum of 600 hours onsite required. A culminating field experience for qualified students in the area of community counseling: marriage and family therapy. S/U graded.

Prerequisite: APCE 694 with a minimum grade of C. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 18 credit hours. Course Fee: Supervision Fee Required.

APCE 692 - Internship in Clinical Counseling (1 - 9)

Refer to program handbook. Must be taken at site of admission. Minimum of 600 total on-site hours required. A culminating field experience for qualified community counseling students in areas of specialty. S/U graded.

Prerequisite: APCE 612 with a minimum grade of C. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 18 credit hours. Course Fee: Supervision Fee Required.

APCE 694 - Practicum in Couples and Family Therapy (4)

Receive supervised experiential training in counseling with families. Develop diagnostic and therapeutic skills in systemic approaches. S/U graded.

Prerequisite: (APCE 612 or APCE 712 with a minimum grade of C) and (APCE 669 with a minimum grade of C). Major/Minor Restriction: Include Clinical Counseling (and) Community Counseling (and) Clinical Mntl Hlth Counseling (and) Counselor Education (and) Counselor Ed and Supervision (and) Counseling Psychology (and) School Counseling (and) School Psychology (and) Marriage/Couples/Family Couns. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Course Fee: Course Fee Required.

APCE 695 - Seminar: Contemporary Issues in Couples and Family Therapy (3)

Study of interventions utilized within the major approaches to couple and marital therapy. Covers current issues and research in family therapy.

Prerequisite: APCE 665 with a minimum grade of C. Major/Minor Restriction: Include Clinical Counseling (and) Community Counseling (and) Clinical Mntl Hlth Counseling (and) Counselor Education (and) Counselor Ed and Supervision (and) School Counseling (and) School Psychology (and) Marriage/Couples/Family Couns. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

APCE 701 - Professional Development Seminar in Counseling Psychology (1)

An overview of current issues in the discipline of counseling psychology, as well as an introduction to the program and the faculty in the division.

Major/Minor Restriction: Include Clinical Counseling (and) Community Counseling (and) Counselor Education (and) Counselor Ed and Supervision (and) Counseling Psychology (and) School Counseling (and) School Psychology (and) Clinical Mntl Hlth Counseling. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 2 credit hours.

APCE 702 - Practicum in Counseling (4)

Supervised individual counseling experiences in a laboratory setting. Supervision will be directed toward improvement of counseling skills and case management. S/U graded.

Major/Minor Restriction: Include Community Counseling (and) Counselor Education (and) Counselor Ed and Supervision (and) Counseling Psychology (and) School Counseling (and) School Psychology (and) Clinical Mntl Hlth Counseling. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Course Fee: Course Fee Required.

APCE 703 - Professional Development Seminar in Counselor Education (1)

An overview of current professional issues in Counselor Education with special focus on understanding and developing a professional identity in the field. Research will be strongly emphasized.

Major/Minor Restriction: Include Community Counseling (and) Counselor Education (and) Counselor Ed and Supervision (and) Counseling Psychology (and) School Counseling (and) School Psychology. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 3 credit hours.

APCE 707 - Seminar in Personality and Counseling Theories (3)

A comparative and critical in-depth analysis of personality and counseling theories including the interrelationship, philosophical foundations and practical applications.

Major/Minor Restriction: Include Community Counseling (and) Counselor Education (and) Counselor Ed and Supervision (and) Counseling Psychology (and) School Counseling (and) School Psychology (and) Clinical Mntl Hlth Counseling. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

APCE 710 - Seminar in Instruction, Pedagogy, and Evaluation in Counseling and Psychology (3)

This course provides in-depth study of instructional principles, pedagogy, and evaluation procedures in counseling and counselor education. Instructional methods, techniques, and evaluation models related to counselor education will be discussed.

Prerequisite: (APCE 702 and APCE 703 with a minimum grade of C). Level Restriction: Include GR.

APCE 712 - Advanced Practicum in Individual Counseling (4)

For the student with prior counseling experience, this course offers opportunity to develop counseling skills and philosophy in depth with clients in an individual counseling situation. S/U graded.

Prerequisite: (APCE 702 and APCE 707 with a minimum grade of C). Major/Minor Restriction: Include Community Counseling (and) Clinical Mntl Hlth Counseling (and) Counselor Education (and) Counselor Ed and Supervision (and) Counseling Psychology (and) School Counseling (and) School Psychology. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Course Fee: Course Fee Required.

APCE 713 - Practicum in Supervision of Play Therapy (3)

Doctoral candidates receive experience in supervising child psychotherapy training through working with a staff member.

Prerequisite: APCE 617 with a minimum grade of C. Major/Minor Restriction: Include Community Counseling (and) Clinical Mntl Hlth Counseling (and) Counselor Education (and) Counselor Ed and Supervision (and) Counseling Psychology (and) School Counseling (and) School Psychology. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

APCE 714 - Practicum in Supervision of Counseling (3 - 6)

Students gain experience with a faculty member in supervising counseling practice.

Prerequisite: (APCE 702 and APCE 712 with a minimum grade of C). Major/Minor Restriction: Include Community Counseling (and) Counselor Education (and) Counselor Ed and Supervision (and) Counseling Psychology (and) School Counseling (and) School Psychology (and) Clinical Mntl Hlth Counseling. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

APCE 715 - Seminar in Counselor Supervision and Theory (2)

Study problems involved in training individuals to engage in the therapeutic process.

Prerequisite: (APCE 702 and APCE 707 and APCE 712 with a minimum grade of C). Corequisite: APCE 714. Major/Minor Restriction: Include Community Counseling (and) Counselor Education (and) Counselor Ed and Supervision (and) Counseling Psychology (and) School Counseling (and) School Psychology (and) Clinical Mntl Hlth Counseling. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

APCE 716 - Research Seminar in Counselor Education (3)

Review and analysis of reported research in counselor education with special emphasis on research published during the last ten years in the professional journals.

Major/Minor Restriction: Include Community Counseling (and) Counselor Education (and) Counselor Ed and Supervision (and) Counseling Psychology (and) School Counseling (and) School Psychology (and) Clinical Mntl Hlth Counseling. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

APCE 723 - Seminar in Advanced Multicultural Perspectives in Counselor Education and Supervision (3)

This course focuses on encouraging ethical, effective, and advanced multicultural competencies. This includes awareness of cultures and increasing skills in all areas when working with diverse populations.

Prerequisite: APCE 623 with a minimum grade of C. Program Restrictions: Include Counselor Ed & Supervision-PHD. Level Restriction: Include GR.

APCE 733 - Seminar in Research Methods in Counseling Psychology (3)

Topics include strengths, limitations, interpretation, and technical aspects of rigorous case study; correlational, descriptive, and experimental research designs; measurement techniques; sampling; replication; theory testing; qualitative methods; meta-analysis; and quasi-experimentation.

Offered: Generally offered Spring Annually. Major/Minor Restriction: Include Community Counseling (and) Counselor Education (and) Counselor Ed and Supervision (and) Counseling Psychology (and) School Counseling (and) School Psychology (and) Clinical Mntl Hlth Counseling. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

APCE 746 - Advanced Seminar in Counselor Education and Supervision (3)

Concentrated study, application, synthesis and evaluation of career development and theory, and professional identity for counselors, counselor educators and supervisors. Emphasis on application of leadership and advocacy skills.

Prerequisite: APCE 703 with a minimum grade of C. Major/Minor Restriction: Include Counselor Ed and Supervision. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

APCE 748 - Instruction, Supervision and Leadership in School Counseling (3)

An advanced examination of issues and trends in professional school counseling with an emphasis on preparation and supervision of school counselors and leadership in implementation of school counseling programs.

Prerequisite: (APCE 602 and APCE 608 with a minimum grade of C). Level Restriction: Include GR.

APCE 762 - Practicum in Group Facilitation (4)

Receive supervised experience in the role of group facilitator, including feedback on group process, leadership and intervention skills and problem areas. S/U graded.

Prerequisite: (APCE 605 and APCE 662 and APCE 702 and APCE 712 with a minimum grade of C). Major/Minor Restriction: Include Community Counseling (and) Counselor Education (and) Counselor Ed and Supervision (and) Counseling Psychology (and) School Counseling (and) School Psychology (and) Clinical Mntl Hlth Counseling. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Course Fee: Course Fee Required.

APCE 774 - Practicum in Supervision of Family Therapy (3)

Doctoral candidates receive experience in supervision of family therapist training. Work with regular staff member in supervising family therapy practicum, observe techniques and processes, receive feedback on progress.

Prerequisite: APCE 694 with a minimum grade of C. Major/Minor Restriction: Include Community Counseling (and) Counselor Education (and) Counselor Ed and Supervision (and) Counseling Psychology (and) School Counseling (and) School Psychology (and) Clinical Mntl Hlth Counseling. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

APCE 782 - Introduction to Rorschach Administration and Scoring (3)

Learn conceptual basis for comparing projective with traditional psychometric procedures and begin skills in administration and scoring of Rorschach test.

Prerequisite: (APCE 658 and APCE 674 and APCE 678 with a minimum grade of C). Offered: Generally offered Spring Annually. Level Restriction: Include GR. Course Fee: Assessment Fee Required.

APCE 785 - Advanced Practicum in Community Engagement: Campus Connections (1)

Students take leadership roles in Campus Connections, a service-learning course where students work with at-risk youth. Students oversee mentoring dyads. Supervision of mentoring, crisis intervention, and relationship building are developed. S/U graded.

Level Restriction: Include GR. Course Attribute: Community Engaged Learning. Repeatable Status: Course is repeatable with no limitations.

APCE 791 - Internship in Counseling Psychology (1 - 5)

2,000 hour pre-doctoral internship at a site meeting APA training standards. Completed in 3-6 consecutive semesters after Ph.D. course work and approval of dissertation proposal (required before internship match day). S/U graded.

Major/Minor Restriction: Include Community Counseling (and) Counselor Education (and) Counselor Ed and Supervision (and) Counseling Psychology (and) School Counseling (and) School Psychology (and) Clinical Mntl Hlth Counseling. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 18 credit hours.

APCE 792 - Internship in Counselor Education and Supervision (1 - 6)

Capstone experiences in the areas of teaching, research apprenticeships, consulting, supervision, and counseling in preapproved settings. An approved internship plan must be in place before students engage in internship activities.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 20 credit hours.

APCE 793 - Practicum in Clinic Administration and Service Delivery (3)

This course is an introduction to clinical administrative experiences, including conducting intakes, making treatment recommendations, engaging in campus/community outreach and providing therapeutic services. S/U graded.

Prerequisite: (APCE 702 and APCE 712 with a minimum grade of C). Major/Minor Restriction: Include Community Counseling (and) Counselor Education (and) Counselor Ed and Supervision (and) Counseling Psychology (and) School Counseling (and) School Psychology (and) Clinical Mntl Hlth Counseling. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Course Fee: Assessment Fee Required.

APCE 794 - Advanced Practicum in Clinic Administration and Service Delivery (1)

This course offers the opportunity to refine assessment and therapeutic skills with children, adolescents and adults, couples or families. S/U graded.

Prerequisite: (APCE 702 and APCE 712 and APCE 793 with a minimum grade of C). Major/Minor Restriction: Include Community Counseling (and) Counselor Education (and) Counselor Ed and Supervision (and) Counseling Psychology (and) School Psychology (and) Clinical Mntl Hlth Counseling. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 4 credit hours.

APCE 795 - External Practicum in Counseling Psychology (3)

This course offers students the opportunity to refine their assessment skills with clients in various community based organizations. S/U graded.

Prerequisite: (APCE 702 and APCE 712 with a minimum grade of C). Major/Minor Restriction: Include Counseling Psychology. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 15 credit hours.

APCE 797 - Doctoral Proposal Research (1 - 4)

Required for all doctoral students. Student must earn a maximum of 4 hours of credit in this course in partial fulfillment of requirements for all doctoral degrees, before admission to candidacy. S/U graded.

Major/Minor Restriction: Include Community Counseling (and) Counselor Education (and) Counselor Ed and Supervision (and) Counseling Psychology (and) School Counseling (and) School Psychology (and) Clinical Mntl Hlth Counseling. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 4 credit hours.

APCE 799 - Doctoral Dissertation (1 - 12)

Required of all doctoral candidates. A student must earn a minimum of 12 hours of credit for the dissertation in partial fulfillment of requirements for all doctoral degrees. S/U graded.

Major/Minor Restriction: Include Community Counseling (and) Counselor Education (and) Counselor Ed and Supervision (and) Counseling Psychology (and) School Counseling (and) School Psychology (and) Clinical Mntl Hlth Counseling. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

ART - Visual Arts

College of Performing and Visual Arts

School of Art and Design (p. 96)

ART 508 - Workshop in Art (1 - 4)

A variety of workshops on special topics within the discipline.

Offered: Generally offered Fall and/or Spring Annually. Program Restrictions: Include Art and Design M.A. (and) Art Studio Graduate Certificate. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: ST- Repeatable under different subtitles and course is repeatable with a maximum of 9 credit hours. Course Fee: Course Fee Required.

ART 513 - Professional Renewal (1 - 4)

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than the acquisition of general discipline knowledge or methodologies. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

ART 525 - Graduate Studio Practice (3)

Critique artwork produced, presentations on and discussion of contemporary artists, ideas and theory in art.

Offered: Generally offered Spring Annually. Program Restrictions: Include Art and Design M.A. (and) Art Studio Graduate Certificate. Level Restriction: Include GR. Course Fee: Course Fee Required.

ART 539 - Computer Graphics Studio (3)

Advanced individualized or specialized study in computer graphics for graduate students.

Offered: Generally offered Fall and/or Spring Annually. Program Restrictions: Include Art and Design M.A. (and) Art Studio Graduate Certificate. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 9 credit hours. Course Fee: Course Fee Required.

ART 547 - Multimedia in Arts Studio (3)

Students investigate thematic interpretation of ideas and express them in a variety of systems. Through conceptual thought and formatting, students will explore an integration of 2D/3D projects.

Offered: Generally offered Summer Annually. Program Restrictions: Include Art and Design M.A. (and) Art Studio Graduate Certificate. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 9 credit hours. Course Fee: Course Fee Required.

ART 549 - Current Issues in Art (3)

A critical review and analysis of cultural, social, philosophical, and theoretical art issues. Educational, museum, gallery and visual culture contexts including studio and post-studio practices are interpreted and evaluated.

Offered: Generally offered Fall Annually. Program Restrictions: Include Art and Design M.A. Level Restriction: Include GR. Course Fee: Course Fee Required.

ART 590 - Studio Concepts and Application (3)

This course provides expansion of the precepts and practices of arts-based inquiry including artmaking, studio practices, and contemporary approaches in artistic and heuristic research.

Offered: Generally offered Summer Annually. Program Restrictions: Include Art and Design M.A. (and) Art Studio Graduate Certificate. Level Restriction: Include GR. Course Fee: Course Fee Required.

ART 600 - Research Methods in Art (3)

Learn appropriate art, art historical and art education research methodology and procedures for inquiry. Present research according to approved style guidelines.

Level Restriction: Include GR.

ART 615 - Ceramic Studio (3)

Advanced individualized or specialized study in ceramics for graduate students.

Offered: Generally offered Fall and/or Spring Annually. Program Restrictions: Include Art and Design M.A. (and) Art Studio Graduate Certificate. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 9 credit hours. Course Fee: Course Fee Required.

ART 622 - Directed Studies in Art (1 - 4)

Individualized investigation under the direct supervision of a faculty member.

Special Notes: Maximum concurrent enrollment is two times. Offered: Check with department/school. Program

Restrictions: Include Art and Design M.A. and Art Studio Graduate Certificate. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course may be repeated 2 times. Course Fee: Course Fee Required.

ART 635 - Drawing Studio (3)

Advanced individualized or specialized study in drawing for graduate students.

Offered: Generally offered Fall and/or Spring Annually. Program Restrictions: Include Art and Design M.A. (and) Art Studio Graduate Certificate. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 9 credit hours. Course Fee: Course Fee Required.

ART 636 - Painting Studio (3)

Advanced individualized or specialized study in painting for graduate students.

Offered: Generally offered Fall and/or Spring Annually. Program Restrictions: Include Art and Design M.A. (and) Art Studio Graduate Certificate. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 9 credit hours. Course Fee: Course Fee Required.

ART 655 - Printmaking Studio (3)

Advanced individualized or specialized study in printmaking for graduate students.

Offered: Generally offered Fall and/or Spring Annually. Program Restrictions: Include Art and Design M.A. (and) Art Studio Graduate Certificate. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 9 credit hours. Course Fee: Course Fee Required.

ART 660 - Sculpture Studio (3)

Advanced individualized or specialized study in sculpture for graduate students.

Offered: Generally offered Fall and/or Spring Annually. Program Restrictions: Include Art and Design M.A. (and) Art Studio Graduate Certificate. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 9 credit hours. Course Fee: Course Fee Required.

ART 672 - Photography Studio (3)

Advanced individualized or specialized study in photography for graduate students.

Offered: Generally offered Fall and/or Spring Annually.
Program Restrictions: Include Art and Design M.A. (and) Art Studio Graduate Certificate. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 9 credit hours. Course Fee: Course Fee Required.

ART 675 - Integrated Media Arts Studio (3)

Advanced individualized or specialized study in integrated media arts for graduate students.

Offered: Generally offered Fall and/or Spring Annually.
Program Restrictions: Include Art and Design M.A. (and) Art Studio Graduate Certificate. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 9 credit hours. Course Fee: Course Fee Required.

ART 690 - Research Capstone (3)

Complete and exhibit research projects. Submit final presentations/exhibitions to graduate panel.

Prerequisite: ART 600 with a minimum grade of C.
Offered: Generally offered Spring Annually. Program Restrictions: Include Art and Design M.A. Level Restriction: Include GR. Course Fee: Course Fee Required.

AST - Astronomy

College of Natural and Health Sciences
Department of Physics and Astronomy

AST 622 - Directed Studies (1 - 4)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

AT - Athletic Training

College of Natural and Health Sciences
Department of Kinesiology, Nutrition, and Dietetics (p. 94)

AT 500 - Foundations of Athletic Training I (3)

Examination of foundational aspects of Athletic Training including its role within health care. Focus on the Core Competencies for Health Care Professionals and their applicability to Athletic Training.

Program Restrictions: Include Athletic Training-MS. Level Restriction: Include GR.

AT 501 - Foundations of Athletic Training II (2)

Continued examination of foundational aspects of the contemporary practice of Athletic Training including its role within health care. Focus on prevention, health promotion, wellness, risk mitigation and biometric monitoring.

Prerequisite: AT 500 with a minimum grade of C. Program Restrictions: Include Athletic Training-MS. Level Restriction: Include GR.

AT 510 - Techniques in Athletic Training I (2)

(1 lecture, 2 laboratory) Exploration of techniques essential to the contemporary practice of Athletic Training. Focus on acute/emergency care and prophylactic taping, bracing & protective equipment.

Program Restrictions: Include Athletic Training-MS. Level Restriction: Include GR. Course Fee: Course Fee Required.

AT 511 - Techniques in Athletic Training II (3)

(2 lecture, 2 laboratory) Continued exploration of techniques essential to the contemporary practice of Athletic Training. Focus on advanced acute/emergency care and durable medical equipment.

Prerequisite: AT 510 with a minimum grade of C. Program Restrictions: Include Athletic Training-MS. Level Restriction: Include GR. Course Fee: Course Fee Required.

AT 520 - Physical Examination I (3)

(2 lecture, 2 laboratory) Introduction to physical examination related to the contemporary practice of Athletic Training, including typical exam components and their role in developing a patient-centered care plan. Focus on the lower extremity.

Program Restrictions: Include Athletic Training-MS. Level Restriction: Include GR.

AT 521 - Physical Examination II (2)

(1 lecture, 2 laboratory) Continued exploration of physical examination related to the contemporary practice of Athletic Training, including typical components and their role in providing patient-centered care. Focus on the trunk and upper extremity.

Prerequisite: AT 520 with a minimum grade of C. Program Restrictions: Include Athletic Training-MS. Level Restriction: Include GR.

AT 530 - Therapeutic Interventions I (2)

(1 lecture, 2 laboratory) Introduction to the development and implementation of a patient-centered plan of care. Focus on care plan components and common therapeutic exercise techniques and modalities used in contemporary athletic training practice.

Program Restrictions: Include Athletic Training-MS. Level Restriction: Include GR.

AT 531 - Therapeutic Interventions II (2)

(1 lecture, 2 laboratory) Continued investigation of the development and implementation of patient-centered care plans. Focus on body region-specific techniques of common therapeutic exercise techniques and modalities used in contemporary athletic training practice.

Prerequisite: AT 530 with a minimum grade of C. Program Restrictions: Include Athletic Training-MS. Level Restriction: Include GR.

AT 540 - Diagnosis and Management of General Medical Conditions (4)

Exploration of practical skills and techniques required to diagnose and manage non-musculoskeletal conditions commonly seen in contemporary athletic training practice.

Prerequisite: AT 521 with a minimum grade of C. Program Restrictions: Include Athletic Training-MS. Level Restriction: Include GR.

AT 550 - Administrative Concepts in Athletic Training (3)

Management and administrative concepts in Athletic Training. Topics include management of physical, human, and financial resources, ethical considerations and other current topics.

Prerequisite: AT 540 with a minimum grade of C. Program Restrictions: Include Athletic Training-MS. Level Restriction: Include GR.

AT 560 - Health Promotion, Wellness, and Performance Enhancement (3)

Promoting health and wellness and enhancing the performance of the physically active including the investigation of the role of the athletic trainer as a component of an interprofessional care team.

Prerequisite: AT 550 with a minimum grade of C. Program Restrictions: Include Athletic Training-MS. Level Restriction: Include GR.

AT 591 - Seminar in Athletic Training (2)

Invited speakers including faculty, students, and guests, present contemporary topics in Athletic Training in a seminar format. S/U graded.

Program Restrictions: Include Athletic Training-MS. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 4 credit hours.

AT 592 - Clinical Immersion in Athletic Training (3 - 6)

Full-time, broad-based and immersive clinical experience in Athletic Training exposing the student to the totality of care in contemporary Athletic Training settings. S/U graded.

Prerequisite: AT 594 with a minimum grade of S. Program Restrictions: Include Athletic Training-MS. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 15 credit hours. Course Fee: Course Fee Required.

AT 593 - Clinical Practicum in Athletic Training I (1)

Initial clinical experiences in Athletic Training to allow for application of didactic and simulated learning in the live clinical setting. Focus on acute care, physical examination and care plan development. S/U graded.

Program Restrictions: Include Athletic Training-MS. Level Restriction: Include GR. Course Fee: Course Fee Required.

AT 594 - Clinical Practicum in Athletic Training II (2)

Intermediate clinical experiences in Athletic Training to allow for application of didactic and simulated learning in the live clinical setting. Continued focus on acute care, physical examination and therapeutic intervention. S/U graded.

Prerequisite: AT 593 with a minimum grade of S. Program Restrictions: Include Athletic Training-MS. Level Restriction: Include GR. Course Fee: Course Fee Required.

BAAC - Accounting

Kenneth W. Monfort College of Business

Department of Accounting and Computer Information Systems (p. 90)

BAAC 521 - Financial Reporting & Communications (3)

A theoretical and activity-based course which evaluates the conceptual development and application of current authoritative pronouncements, as well as examines some emerging issues in financial reporting.

Program Restrictions: Include Accounting-MAcc. Level Restriction: Include GR.

BAAC 525 - Contemporary Issues in Auditing Topics (3)

This course builds on skills obtained in the beginning auditing (assurance) course. The primary goal is to further develop student ability to understand and apply audit planning, evidence gathering, and reporting procedures. Professional communication and research skills are emphasized. Topics vary, depending on issues, trends and developments in the area of study.

Program Restrictions: Include Accounting-MAcc. Class Restriction: Exclude Freshman and Sophomore.

BAAC 526 - Oil and Gas Accounting (3)

This course is designed to help students obtain the skills necessary to work in the oil and gas industry or in public accounting working with oil and gas clients. It is also useful for those with a general interest in the oil and gas industry.

Program Restrictions: Include Accounting-MAcc. Class Restriction: Exclude Freshman and Sophomore.

BAAC 527 - Governmental and Institutional Accounting (3)

This is an activity course involving the study of accounting processes and procedures used by state and local governmental units and other selected not-for-profit entities. This course addresses advanced topics of current interest in the evolving field of governmental and not-for-profit entities. This course will include a major research project and presentation.

Program Restrictions: Include Accounting-MAcc. Level Restriction: Include GR.

BAAC 529 - Contemporary Issues in Tax (3)

This course examines current tax issues and integrates them in decision-making, asset prices, and the operational structure of firms. The course will integrate tax with financial accounting by emphasizing the differences and trade-offs between the taxation and financial reporting of a transaction. Topics vary, depending on issues, trends and developments in the area of study.

Program Restrictions: Include Accounting-MAcc. Class Restriction: Exclude Freshman and Sophomore.

BAAC 549 - Income Tax II (3)

An activity course beyond a foundation course. Emphasizes advanced topics in entities taxation. Includes a major research project and presentation. Students will produce and defend a business tax return from start to finish. Presentation will be to class and possibly other stakeholders. Presentations will be integral to the topics listed.

Program Restrictions: Include Accounting-MAcc. Class Restriction: Exclude Freshman and Sophomore.

BAAC 591 - Topics in International Accounting and Reporting (3)

This seminar course explores advanced topics in international accounting and reporting. The instructor will specify topics.

Major/Minor Restriction: Include Accounting. Type of Restriction For Major/Minor Code: Major(s). Class Restriction: Exclude Freshman and Sophomore.

BAAC 592 - Internship in Accounting (3)

Practical work experience allowing the intern the opportunity to utilize the material learned in accounting courses. S/U graded.

Program Restrictions: Include Accounting-MAcc. Level Restriction: Include GR.

BAAC 595 - Special Topics in Accounting (1 - 3)

This seminar course explores advanced topics in accounting. Special topics will be specified by the instructor. S/U or letter graded.

Program Restrictions: Include Accounting-MAcc. Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

BAAC 600 - Accounting Analytics & Research (3)

Research methods and advanced topics in data analytics and research methods in accounting systems. Topics vary depending on trends and developments in area.

Program Restrictions: Include Accounting-MAcc. Level Restriction: Include GR.

BAAC 622 - Independent Research Directed Studies (1 - 3)

This course is designed to allow the student to perform and complete a research project as an independent project. The research topic will be mutually agreed upon by the student and faculty. The course is individually supervised by a graduate faculty member. Letter graded.

Special Notes: Maximum concurrent enrollment is two times. Program Restrictions: Include Accounting-MAcc. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

BAFN - Finance

Kenneth W. Monfort College of Business
Department of Finance

BAFN 532 - Business Law (3)

Provides an understanding of the law of business transactions as part of the decision-making process. Topics will include the law of agency, contracts, bankruptcy (debtor/creditor relationships), formation of business entities, secured transactions, negotiable instruments, and the regulation of the accounting profession. The course will utilize topical analysis and a case study approach focusing on analysis, synthesis, and evaluation of complex legal problems.

Level Restriction: Include GR.

BIO - Biology

College of Natural and Health Sciences
School of Biological Sciences (p. 91)

BIO 501 - Current Issues in Biology (1 - 6)

Course varies in content, reviewing current issues of biology. S/U graded.

Class Restriction: Exclude Freshman and Sophomore.
Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

BIO 502 - Biomedicine and Careers (1)

This course will assist students in preparing for careers in biomedicine. Topics include biomedical ethics, interpersonal skill development, professionalism, the application process, interviewing skills and strategies to finance continued education.

Offered: Generally offered Fall Annually. Program Restrictions: Include Biomedical Science-MBS and BioSci:Non-Thesis-MS. Level Restriction: Include GR.

BIO 508 - Workshop (1 - 3)

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

BIO 511 - Field Techniques in Biology (2)

(1 lecture, 1 laboratory) The most common field techniques for both plant and animal biology, focusing on biodiversity.

Class Restriction: Exclude Freshman and Sophomore.
Course Fee: Course Fee Required.

BIO 512 - TA Development Seminar (1)

Explores instructional strategies related to effective teaching of undergraduate laboratory learning environments. Intended to help develop teaching skills of graduate teaching assistants in the Biology program. S/U graded.

Class Restriction: Exclude Freshman and Sophomore.

BIO 513 - Professional Renewal (1 - 3)

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than the acquisition of general discipline knowledge or methodologies. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

BIO 521 - Advanced Genetics (3)

Survey experimental advances in gene regulation of growth, maintenance and protection of all organisms including the human species with special emphasis on recent developments in the field.

Prerequisite: (BIO 220 and CHEM 331 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore.

BIO 525 - Molecular Genetics (3)

Examination of protein synthesis, DNA replication, gene expression, gene structure, and regulation of gene expression.

Prerequisite: (BIO 220 with a minimum grade of C) and (CHEM 481 or CHEM 381 with a minimum grade of C). Level Restriction: Include GR.

BIO 527 - Economic Botany (4)

(3 lecture, 3 laboratory) Study of the identification, properties, uses, and distribution of plants used by people in the past, present, and future.

Prerequisite: BIO 111 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore. Course Fee: Course Fee Required.

BIO 528 - Developmental Biology (3)

Exploration of animal development. Emphasis on the genetic basis of cell organization and identity during embryogenesis and differentiation. Topics include fertilization, gastrulation, axis specification, patterning, organogenesis, stem cells.

Prerequisite: BIO 220 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

BIO 530 - Plant Systematics (4)

(3 lecture, 3 laboratory) History of plant taxonomy, phylogenetic systematics, family recognition, and identification of local flora using keys. Native plant collection and field trips required.

Prerequisite: BIO 111 with a minimum grade of C. Level Restriction: Include GR. Course Fee: Course Fee Required and Participation Fee Required.

BIO 533 - General Parasitology (4)

(3 lecture, 3 laboratory) Study of the symbiotic relationships of parasitism as exemplified by typical parasites of humans, domesticated and wild animals, stressing life cycles, pathogenesis, systematics and host-parasite relationships.

Prerequisite: BIO 111 with a minimum grade of C. Level Restriction: Include GR.

BIO 534 - Mammalogy (4)

(3 lecture, 3 laboratory) Study of the functional biology, ecology and behaviors of mammals. Laboratory stresses the identification and ecology of Colorado species. Field work required.

Prerequisite: BIO 111 with a minimum grade of C. Level Restriction: Include GR. Course Fee: Course Fee Required and Participation Fee Required.

BIO 535 - Survey of Fishes, Amphibians and Reptiles (4)

(3 lecture, 3 laboratory) Investigation of the biology of the cold-blooded vertebrates including their evolution, ecology and behavior. Laboratory stresses the identification and biology of Colorado species.

Prerequisite: BIO 111 with a minimum grade of C. Level Restriction: Include GR. Course Fee: Participation Fee Required.

BIO 536 - Epigenetics and Disease (3)

Introduction to the mechanisms of epigenetic control of gene expression, including methods used in epigenetic research, interactions between epigenetics and the environment, and the role of epigenetics in human disease.

Prerequisite: BIO 220 with a minimum grade of C. Offered: Generally offered Fall - Check with

department/school for next offering. Class Restriction: Exclude Freshman and Sophomore.

BIO 537 - Morphogenesis of Algae and Fungi (4)

(3 lecture, 3 laboratory) Study structure, morphogenesis and Phylogenetic relationships of organisms grouped with algae and fungi. Comparative study to explore multiple kingdom concepts. Ecological, medical and economic aspects of mycology and phycology explored.

Prerequisite: BIO 111 with a minimum grade of C. Level Restriction: Include GR. Course Fee: Course Fee Required and Participation Fee Required.

BIO 538 - Ornithology (4)

(3 lecture, 3 laboratory) Study of the evolution, general biology, diversity, ecology and behaviors of birds. Laboratory emphasis will be on identification. Field trips required.

Prerequisite: BIO 111 with a minimum grade of C. Level Restriction: Include GR.

BIO 539 - Molecular Ecology (3)

Investigation of the usage of molecular data to answer ecological questions. Topics include: marker selection, genetic characteristics of organisms, population analyses, phylogenetics conservation genetics, and phylogeography.

Prerequisite: BIO 220 with a minimum grade of C. Corequisite: BIO 539L. Class Restriction: Exclude Freshman and Sophomore.

BIO 539L - Molecular Ecology Lab (1)

(3 Laboratory) Laboratory to accompany BIO 539. Study of the techniques used to collect molecular data for ecological and evolutionary studies.

Prerequisite: BIO 220 with a minimum grade of C. Corequisite: BIO 539. Class Restriction: Exclude Freshman and Sophomore. Course Fee: Course Fee Required.

BIO 541 - Advanced Human Anatomy (3)

(1 lecture, 6 laboratory) An in depth regional study of the anatomical structures of the human body. Spatial relationships among structures are emphasized. Laboratory includes organ and virtual dissection.

Prerequisite: (BIO 341 and BIO 350 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore. Course Fee: Course Fee Required.

BIO 542 - Molecular and Cellular Laboratory (2)

(4 laboratory) Study of the theory and techniques currently used to investigate cells and molecules. Development of the laboratory and problem-solving skills to successfully conduct experiments.

Prerequisite: (BIO 220 with a minimum grade of C) and (Concurrent Prerequisite BIO 525 or Concurrent Prerequisite BIO 550 with a minimum grade of C). Level Restriction: Include GR. Course Fee: Course Fee Required.

BIO 544 - Comparative Vertebrate Adaptations (4)

(3 lecture, 3 laboratory) Study of the diverse adaptations of vertebrates, from morphological to molecular levels of organization; includes significant overview of relevant primary literature.

Prerequisite: BIO 345 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore. Course Fee: Participation Fee Required.

BIO 545 - Pathogenic Microbiology (3)

This lecture course addresses medically-relevant microorganisms and disease. Particular emphasis is placed upon mechanisms of pathogenesis, including microbial virulence factors and immunopathology, epidemiology and public health.

Prerequisite: BIO 351 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

BIO 546 - Pathogenic Microbiology Laboratory (1)

(3 laboratory) Students will learn techniques for the isolation, propagation and identification of pathogenic microorganisms.

Prerequisite: BIO 351 with a minimum grade of C. Corequisite: BIO 545. Class Restriction: Exclude Freshman and Sophomore.

BIO 547 - Immunology and Disease (3)

Explore the cause of disease in animals with a detailed emphasis on functions of the immune system that provide resistance to disease.

Prerequisite: BIO 220 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

BIO 548 - Virology (3)

Study of the principles of virology, including biochemistry, structure, taxonomy, transmission, isolation and identification strategies.

Prerequisite: BIO 351 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

BIO 549 - Virology Laboratory (1)

(3 laboratory) Study and development of laboratory skills in animal virology, including virus propagation, quantification, and detection assays.

Corequisite: BIO 548. Class Restriction: Exclude Freshman and Sophomore. Course Fee: Course Fee Required.

BIO 550 - Cell Physiology (3)

Study of the structural and functional relationships among biological macromolecules, cell organelles and cellular processes.

Prerequisite: (BIO 220 with a minimum grade of C) and (CHEM 231 or CHEM 331 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore.

BIO 552 - Advanced Systemic Physiology: Homeostats (3)

Advanced systemic physiology, with an emphasis on humans. Essential and advanced topics in systemic physiology, focusing on homeostatic systems.

Prerequisite: (BIO 210 with a minimum grade of C) and (CHEM 381 or CHEM 481 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore.

BIO 553 - Advanced Systemic Physiology: Control Systems (3)

In-depth examination of the physiological control systems in the human.

Prerequisite: (BIO 210 with a minimum grade of C) and (CHEM 381 or CHEM 481 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore.

BIO 554 - General Plant Physiology (4)

(3 lecture, 3 laboratory) Study physiological factors influencing the chemical and structural composition of plant absorption and utilization of water and minerals; photosynthesis, translocation, respiration, nitrogen metabolism and growth and development.

Prerequisite: (BIO 111 with a minimum grade of C) and (CHEM 231 with a minimum grade of C or (CHEM 281 and CHEM 281L with a minimum grade of C) or (CHEM 331 and CHEM 331L with a minimum grade of C)). Level Restriction: Include GR. Course Fee: Course Fee Required.

BIO 555 - Reproductive Biology (3)

Examination of the anatomy, physiology and mechanisms of reproduction with an emphasis on mammals.

Prerequisite: (BIO 110 and CHEM 331 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore.

BIO 556 - Current Topics in Biomedical Research (2)

Examine current biomedical research, molecular, cellular, and physiological studies of human and model systems. Mechanisms regulating normal function, effects of toxicants and drugs, and the role of genetic mutations.

Prerequisite: (BIO 110 and CHEM 331 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore. Repeatable Status: Course is repeatable with no limitations.

BIO 560 - Behavioral Ecology (3)

Study of the principles of behavioral ecology, including the evolutionary basis of behavior, economic models of behavior, interspecific interactions, and social behavior.

Prerequisite: BIO 362 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

BIO 561 - Plant Ecology (3)

Examination of plant communities, effects of environmental factors on plants, as well as community measurement and evaluation, modeling techniques, energy flow through ecosystems, and community dynamics.

Prerequisite: (BIO 110 and BIO 360 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore. Course Fee: Participation Fee Required.

BIO 562 - Conservation Biology (3)

Examination of the fundamental principles of conservation biology (biodiversity, habitat degradation, extinction, restoration, planning) with discussion of current topics (climate change, conservation genetics, landscape vs. ecosystem conservation, sustainable development).

Offered: Generally offered Spring Odd Years. Mutually Exclusive Course: Credit allowed for only one of these courses: BIO 562 and ESCI 562. Level Restriction: Include GR.

BIO 563 - Animal Communication (3)

Study of the principles of animal communication, including signal modalities, signal design and signal evolution.

Prerequisite: BIO 362 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

BIO 564 - Plant Ecology Lab (1)

(3 laboratory) Examines methods of plant ecology including monitoring community structure and function, population dynamics, physiological tolerance, and data analysis. The lab will include both field and laboratory experiments.

Prerequisite: (BIO 110 and BIO 360 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore.

BIO 565 - Current Topics in Ecology and Evolutionary Research (2)

Examine topics in current ecology and evolutionary biology research. Focus on speciation, microevolution, range shifts, species interactions, and ecosystems. Topics will include both applied and basic studies.

Prerequisite: (BIO 111 and BIO 360 and BIO 465 with a minimum grade of C). Offered: Generally offered Fall, Spring, and/or Summer - Check with department/school for next offering. Class Restriction: Exclude Freshman and Sophomore. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

BIO 566 - Animal Physiological Ecology (3)

Study of animal function and how environmental conditions influence the physiology of animals. Emphasis will be on vertebrate systems but invertebrates will be included.

Prerequisite: (BIO 110 and BIO 360 with a minimum grade of C). Level Restriction: Include GR.

BIO 568 - Disturbance Ecology (3)

Study of natural and anthropogenic disturbances (fire, flood, insect outbreaks) effects on populations, communities and ecosystem function.

Prerequisite: (BIO 110 and BIO 360 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore.

BIO 570 - Coevolution in Ecological Systems (3)

Survey of contemporary primary literature on coevolution and ecology, including symbiosis, mutualism, competition, pollination, mimicry, parasitism, seed dispersal, etc.

Prerequisite: (BIO 360 and BIO 465 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore.

BIO 572 - Species and Speciation (3)

Examination of the theoretical and pragmatic perspectives of species recognition and critical review of speciation. Includes considerations of species recognition in context of conservation biology.

Prerequisite: BIO 465 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

BIO 575 - K-12 Science Inquiry (3)

Students will explore and define the elements of inquiry in P-16 science education from the perspective of teaching with inquiry, ability to do inquiry, and as part of science content.

Offered: Generally offered Summer Annually. Mutually Exclusive Course: Credit allowed for only one of these courses: BIO 575 and ESCI 578 and SCED 578. Class Restriction: Exclude Freshman and Sophomore.

BIO 576 - Pharmacology (3)

A mechanistic study of pharmacokinetics (absorption, distribution, metabolism and excretion of drugs) and pharmacodynamics (drug actions and interactions). Examples of important bioactive chemicals will be discussed.

Prerequisite: (BIO 220 with a minimum grade of C) and (BIO 246 or BIO 350 or BIO 552 with a minimum grade of C). Level Restriction: Include GR.

BIO 577 - Earth Systems: Water (3)

An online course focusing on Colorado water resources and environmental issues in an Earth Systems context. Applications to societal issues and inquiry learning are emphasized.

Offered: Generally offered Fall and/or Spring Even Years. Mutually Exclusive Course: Credit allowed for only one of these courses: BIO 577 and ESCI 581 and SCED 581. Class Restriction: Exclude Freshman and Sophomore.

BIO 578 - Pathobiology (3)

Causes and mechanisms of disease at the molecular, cellular, and tissue levels. Cellular homeostasis and adaptive mechanisms, histopathology, toxins/toxicants, infectious disease, senescence, and target tissues.

Prerequisite: (BIO 220 with a minimum grade of C) and (BIO 341 or BIO 541 with a minimum grade of C) and (BIO 350 or BIO 552 or BIO 553 with a minimum grade of C). Offered: Generally offered Fall Even Years. Mutually Exclusive Course: Credit allowed for only one of these courses: BIO 578 and BIO 448.. Class Restriction: Exclude Freshman and Sophomore.

BIO 579 - Using Controversial Topics to Teach Nature of Science (3)

Explores use of scientific "controversies" as a teaching strategy to understand the nature of science. Empirical evidences supporting major scientific concepts are integrated with pedagogical strategies.

Offered: Generally offered Fall and/or Spring Odd Years. Mutually Exclusive Course: Credit allowed for only one of these courses: BIO 579 and ESCI 561 and SCED 561. Class Restriction: Exclude Freshman and Sophomore.

BIO 580 - Mammalian Endocrinology (3)

Survey of endocrinology including neuroendocrine physiology, mechanisms of action, regulation of homeostasis, endocrine dysfunction, quantifying hormones.

Prerequisite: (BIO 210 and BIO 350 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore.

BIO 581 - Neurobiology (3)

Examination of the development, anatomy, and physiology of the nervous system, with an emphasis on humans. Topics will include mechanisms mediating behavior and major brain diseases.

Prerequisite: BIO 350 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

BIO 582 - Cancer Biology (3)

Study the principles of cancer biology including the mechanisms involved in its progression; the roles of DNA damage, heredity, and the environment; and treatment and prevention.

Prerequisite: BIO 220 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

BIO 584 - Current Topics in Biological Education Research (2)

Examine current topics in biological education research. Focus on teaching, learning, and assessment of biology as well as school policy and curriculum development.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

BIO 585 - Topics in Field Biology (1 - 10)

After preparatory work, study biology in the field on a state, national or international basis.

Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with a maximum of 10 credit hours.

BIO 587 - Advanced Immunology (3)

Advanced exploration of humoral, cellular, and innate immunology; reproductive, transplant, and cancer immunology; allergies, hypersensitivities, and autoimmunity.

Prerequisite: (BIO 381 or BIO 547 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore.

BIO 591 - Biology Roundtable (1)

An intensive facilitated discussion on current and cutting-edge topics in the Biological Sciences taken from peer reviewed literature and input from visiting scholars. S/U graded.

Class Restriction: Exclude Freshman and Sophomore.
Repeatable Status: Course is repeatable with no limitations.

BIO 592 - Internship in Biological Sciences (1 - 3)

On-the-job experience in professional areas under the supervision of an area specialist. S/U graded.

Class Restriction: Exclude Freshman and Sophomore.

BIO 594 - Foundations of Biological Research (2)

Introduction to the scientific method and experimental design, written and oral presentation skills, grantsmanship, ethics and responsible scientific conduct.

Class Restriction: Exclude Freshman and Sophomore.

BIO 595 - Special Topics in Biology (1 - 6)

Study of any biological topic at an advanced level.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

BIO 596 - Foundations of Clinical Research (2)

This course examines the components of clinical research including design, conduct, analysis of trials, and dissemination of results.

Major/Minor Restriction: Include Biomedical Science.
Type of Restriction For Major/Minor Code: Major(s).
Level Restriction: Include GR.

BIO 622 - Directed Studies (1 - 4)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

BIO 631 - Teaching College Biology (3)

This course prepares students for everyday classroom teaching experiences in college biology including small and large classrooms and laboratory settings using a variety of best-practice teaching strategies.

Level Restriction: Include GR.

BIO 632 - College Biology Course Development (3)

This course prepares students to effectively design college biology course curriculum using backwards design to develop learning objectives, syllabi, student assessments, and evaluation of course effectiveness.

Level Restriction: Include GR.

BIO 691 - Seminar in Biological Sciences (1)

Invited speakers will present research topics in content biology and biology education. Graduate students will also present their research proposals and final defenses of their theses or dissertations.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

BIO 693 - Review of Biological Literature (3)

This course teaches students how to conduct a thorough review of scientific literature on a focused biological topic and prepare a written comprehensive report following standard scientific format and style.

Major/Minor Restriction: Include Biological Sciences.
Type of Restriction For Major/Minor Code: Major(s).
Level Restriction: Include GR.

BIO 697 - Graduate Research (1 - 6)

Qualified graduate students spend a minimum of 38 clock hours per semester hour on a research problem. Before credit is given, a well written report must be submitted to the instructor.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

BIO 699 - Thesis (1 - 6)

Thesis S/U graded. Level Restriction: Include GR.
Repeatable Status: Course is repeatable with no limitations.

BIO 792 - Doctoral Supervised Teaching (1 - 6)

Experience supervised college level biological sciences teaching. Develop course outlines and effective teaching techniques. Students must have completed oral and written comprehensive exams prior to being eligible for this course.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

BIO 797 - Doctoral Proposal Research (1 - 4)

Four credits required of all doctoral students before admission to candidacy. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 4 credit hours.

BIO 799 - Doctoral Dissertation (1 - 12)

Twelve credits required of all doctoral candidates. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

BREW - Brewing Laboratory Science Program

College of Natural and Health Sciences

Department of Chemistry and Biochemistry (p. 92)

BREW 570 - Practical Brewing Science (3)

(1 lecture, 6 laboratory) Students must be 21+ years old (photo ID required at first class session). Detailed investigations brewing with focus on the QA/QC applications to beer production. Key analyses include analysis of water, malt, hops, wort and beer. Detailed evaluation of beer via experimentation and sensory evaluation will be conducted. A project-based component is required.

Offered: Generally offered Summer Annually. Mutually Exclusive Course: Credit allowed for only one of these courses: BREW 570 and BREW 470. Class Restriction: Exclude Freshman and Sophomore. Course Fee: Course Fee Required.

BREW 579 - Advanced Brewing Laboratory Science (3)

(1 lecture, 6 laboratory) Students must be 21+ years old (photo ID required at first class session). Application of brewing laboratory science methods of malt, wort, and beer analysis during the production of microbrewery scale quantities of beer. A project-based component involving the creation of a quality assurance program for the operation of a microbrewery is required.

Prerequisite: BREW 570 with a minimum grade of B. Offered: Generally offered Summer Annually. Mutually Exclusive Course: Credit allowed for only one of these courses: BREW 579 and BREW 479. Class Restriction: Exclude Freshman and Sophomore. Course Fee: Course Fee Required.

BREW 580 - Brewery Operations (3)

Students must be 21+ years old (photo ID required at first class session). Analysis/design of brewery operations from malt intake to product distribution. A project-based course exploring beer production, facility design, and quality control. Focus on employee safety, HACCP, and FSMA principles.

Prerequisite: BREW 579 with a minimum grade of C. Offered: Generally offered Fall Annually. Class Restriction: Exclude Freshman and Sophomore.

BREW 622 - Directed Studies (1 - 3)

Individualized investigation under the direct supervision of a faculty member. Minimum of 37.5 clock hours required per credit hour.

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

BREW 692 - Internship (1 - 9)

On-the-job experience in the brewing industry under the supervision of an area specialist. S/U graded.

Special Notes: Consent of instructor required. Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

BREW 695 - Special Topics in Brewing Laboratory Science (1 - 3)

Study of special topics in brewing and brewing laboratory science. Variable topics.

Offered: Generally offered Fall and/or Spring - Check with department/school for next offering. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

CH - Community Health Education

College of Natural and Health Sciences

Department of Community Health Education (p. 92)

CH 505 - Health Communications and the Media (3)

Focuses on the design, production, evaluation and acquisition of appropriate media and materials for health education/promotion programs.

Class Restriction: Exclude Freshman and Sophomore.

CH 508 - Workshop (1 - 3)

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline.

Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

CH 509 - Behavior Change Theories (3)

Review theories of behavior and behavior change as they relate to current health issues. Health behavior change models will be examined and applied.

Class Restriction: Exclude Freshman and Sophomore.

CH 513 - Professional Renewal (1 - 3)

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than the acquisition of general discipline knowledge or methodologies. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

CH 520 - Foundations in Public Health (2)

Examines the historical and conceptual basis, key issues, advancements and the core functions of the public health system. This course is offered through CSPH as PUBH 6600.

Class Restriction: Exclude Freshman and Sophomore.

CH 525 - Contemporary Issues in School Health (3)

This course examines the relationship between child/adolescent health and their school experience. The course will be organized around the eight components of the Coordinated School Health Program Model. Current issues and approaches to school health will also be presented.

Class Restriction: Exclude Freshman and Sophomore.

CH 530 - Strategies for Community Health Promotion (3)

This course examines the effectiveness of a wide range of community strategies used in health promotion/disease prevention programs.

Offered: Generally offered Spring Annually. Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Community Engaged Learning.

CH 533 - Physical Activity Interventions in the Community (3)

This course is designed to acquaint students with theory-based interventions to increase participation in physical activity. Interventions discussed will include evidence-based approaches targeting various sub-populations and settings within the community.

Class Restriction: Exclude Freshman and Sophomore.

CH 535 - Effective Community Health Engagement (3)

This course will identify and apply strategies needed to effectively engage in communities.

Prerequisite: CH 530 with a minimum grade of C. Offered: Generally offered Fall Annually. Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Community Engaged Learning.

CH 550 - Environmental Health (3)

Investigate and discuss the relationships of environmental health problems to human health and welfare. Include sources of these problems, their recognition and control and current research studies.

Class Restriction: Exclude Freshman and Sophomore.

CH 568 - Rural Community Health Issues (3)

A study of social, economic, political, and cultural influences that impact the health of individuals and families in rural communities. This course focuses on improving health status and developing culturally appropriate and effective interventions and services in rural settings.

Class Restriction: Exclude Freshman and Sophomore.

CH 575 - Public Health Issues in Reproductive Health (3)

An extensive comprehensive elective designed to expose graduate students to the importance of reproductive health and the impact it has on public health issues.

Class Restriction: Exclude Freshman and Sophomore.

CH 610 - Program Planning and Evaluation (3)

Theories and practices of program planning and evaluation including needs assessment, planning approaches, election of strategies, data collection and analysis, evaluation design, program implementation and utilization of evaluation data.

Prerequisite: CH 509 with a minimum grade of C. Level Restriction: Include GR.

CH 612 - Statistical Applications in Public Health (3)

Applied statistical methods for students in public health. Developing statistical literacy and an ability to perform basic statistics, data summarizations and hypothesis testing using statistical software will be emphasized.

Level Restriction: Include GR.

CH 615 - Methods in Public Health Research and Evaluation (3)

Public health research methods, qualitative/quantitative research designs, data collection/analysis and program evaluation. Students will conduct an evaluation project with a local public health agency.

Prerequisite: CH 612 with a minimum grade of C. Level Restriction: Include GR.

CH 620 - Epidemiology (3)

Epidemiological principles analyzed with an emphasis on selected topical issues, infectious and chronic/degenerative diseases, research design and analysis. Practical applications of statistical and epidemiological methods.

Prerequisite: CH 612 with a minimum grade of C. Level Restriction: Include GR.

CH 622 - Directed Studies (1 - 4)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

CH 635 - Policy, Advocacy, Leadership & Management in Community Health (3)

Health policy, advocacy, leadership and management is a multidisciplinary field of public health concerned with the delivery, quality and costs of public health services.

Level Restriction: Include GR.

CH 686 - MPH Masters Project (2)

Independent project in which student demonstrates public health competencies. Includes public presentation of capstone paper.

Prerequisite: Concurrent Prerequisite CH 693 with a minimum grade of C. Level Restriction: Include GR.

CH 693 - MPH Practicum (2)

MPH students must successfully demonstrate competencies and integrate knowledge. Through this practicum, theory and skills will be applied in a public health setting. S/U graded.

Prerequisite: CH 610 with a minimum grade of C. Level Restriction: Include GR.

CH 699 - Thesis (1 - 6)

Optional for Master of Public Health candidates in Health Education.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

CHEM - Chemistry

College of Natural and Health Sciences

Department of Chemistry and Biochemistry (p. 92)

CHEM 508 - Workshop (1 - 3)

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline.

Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

CHEM 522 - Advanced Analytical Chemistry (3)

Advanced topics in analytical chemistry, including sampling, statistics, multiple equilibria and current literature.

Prerequisite: CHEM 321 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

CHEM 523 - Chemical Spectroscopy (3)

Theory and application of IR, NMR, UV visible and mass spectroscopy.

Prerequisite: (CHEM 321 and CHEM 332 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore.

CHEM 525 - Forensic Chemistry (4)

(3 lecture, 3 laboratory) Application of statistics and chemistry to the analysis of evidence gathered in criminal investigations such as drugs, fibers, gunshot residue, explosives, and accelerants.

Level Restriction: Include GR. Course Fee: Course Fee Required.

CHEM 533 - Organic Synthesis and Stereochemistry (3)

An advanced treatment of synthesis and stereochemistry in organic chemistry.

Prerequisite: CHEM 332 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

CHEM 534 - Theory and Mechanisms of Organic Reactions (3)

An advanced treatment of organic reaction mechanisms and molecular orbital chemistry.

Prerequisite: (CHEM 332 and CHEM 452 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore.

CHEM 543 - Organometallic Chemistry (3)

An introduction to organometallic systems will be presented. Included will be a comprehensive study of the preparation, properties, and reactivity of transition metal organometallic compounds and their application to catalysis.

Prerequisite: CHEM 442 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

CHEM 551 - Physical Chemistry I (4)

Chemical kinetics, quantum theory of atoms and molecules and statistical thermodynamics.

Prerequisite: (CHEM 332 and CHEM 332L and PHYS 241 and MATH 233 and Concurrent Prerequisite CHEM 321 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore.

CHEM 552 - Physical Chemistry II (4)

The properties of matter, thermodynamics, thermochemistry and kinetic molecular theory.

Prerequisite: (PHYS 241 and MATH 233 and CHEM 332 and CHEM 332L and Concurrent Prerequisite CHEM 321 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore.

CHEM 560 - Environmental Chemistry (2)

(1 lecture, 2 laboratory) The effect of chemicals on the environment.

Prerequisite: CHEM 331 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

CHEM 581 - General Biochemistry I (4)

Chemistry of biologically important compounds (proteins, nucleic acids, carbohydrates and lipids), emphasizing structure and function, methods of isolation, identification and characterization, kinetics and mechanisms of enzyme catalysis.

Prerequisite: CHEM 332 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

CHEM 582 - General Biochemistry II (4)

A continuation of CHEM 581. Bioenergetics, electron transport systems, metabolism of carbohydrates, lipids, nucleotides and amino acids.

Prerequisite: CHEM 581 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

CHEM 590 - Advanced Topics in Chemistry (3)

Discussion of a topic in chemistry at the graduate level; e.g., polymers, drug metabolism, and molecular reaction dynamics.

Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 12 credit hours.

CHEM 600 - Seminar in Chemistry (1)

Oral report and discussion on an advanced topic in chemistry or chemical education.

Level Restriction: Include GR. Repeatable Status: Course may be repeated 2 times.

CHEM 622 - Directed Studies (1 - 3)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

CHEM 682 - Problems in Teaching Chemistry (3)

Problems encountered in teaching chemistry and approaches to their resolutions will be considered. The formal nature of concepts, management of laboratories, safety, demonstrations are illustrative of areas of discussion.

Level Restriction: Include GR.

CHEM 693 - Chemical Research (1 - 9)

Develop, complete, and defend master's level research project in chemistry. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

CHEM 695 - Thesis Proposal (1)

The student will develop a committee approved research proposal based on current literature.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

CHEM 699 - Thesis (1 - 6)

Required of candidates in the MS programs in chemistry that are completing theses.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

CHEM 755 - Supervised Practicum in College Teaching (1 - 4)

Supervised practice in college teaching for doctoral candidates with observation used as a basis for analysis of learning experiences.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 4 credit hours.

CHEM 793 - Doctoral Research Practicum-Chemistry (1 - 9)

Provides experience in the development and implementation of research techniques, the development of experimental design and the analysis of research data. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

CHEM 797 - Doctoral Research Proposal-Chemistry (1 - 4)

Students may register for this course (1-4 hours) in any semester, but must earn 4 hours of credit in partial fulfillment of requirements before admission to candidacy. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 4 credit hours.

CHEM 799 - Doctoral Dissertation-Chemistry (1 - 12)

See Ph.D. in Chemical Education - Minimum requirements for the major in the Graduate School section of this Catalog.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 12 credit hours.

COMM - Communication

College of Humanities and Social Sciences

Department of Communication and Journalism (p. 87)

COMM 504 - Rhetorical Theory (3)

Systematic review of the major contributions of rhetorical theorists for their probable impact on communication.

Class Restriction: Exclude Freshman and Sophomore.

COMM 514 - Interpersonal Communication (3)

An overview of current theoretical perspectives on interpersonal communication and representative supportive research.

Class Restriction: Exclude Freshman and Sophomore.

COMM 515 - Group Communication (3)

Examine theories of group process, major group process research findings and how the principles derived from communication literature can be applied to small groups.

Class Restriction: Exclude Freshman and Sophomore.

COMM 541 - Courtroom Communication (3)

Investigate the relationship between communication and the law and legal argumentation and persuasion within courtroom advocacy. Analyze communication within the legal profession.

Class Restriction: Exclude Freshman and Sophomore.

COMM 553 - Professional Speaking (3)

Theory and practice of advanced speech composition, presentational decisions and techniques in a variety of contexts.

Prerequisite: COMM 100 with a minimum grade of C.

Class Restriction: Exclude Freshman and Sophomore.

COMM 561 - Seminar in Speech Communication (1 - 3)

Investigate issues of current concern, for COMM professionals with subject varied according to faculty expertise.

Class Restriction: Exclude Freshman and Sophomore.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

COMM 592 - Internship (1 - 3)

Receive professional communicative experience. Submit a proposal to the Internship Coordinator six weeks before registration. Hours may not be credited to 30 basic hours in communication graduate program.

Class Restriction: Exclude Freshman and Sophomore.

Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

COMM 600 - Graduate Study in Communication (3)

Orientation to graduate study with emphasis on learning to conduct literature reviews using the major journals of the communication discipline. Introduction to research using quantitative, qualitative and rhetorical approaches.

Level Restriction: Include GR.

COMM 601 - Qualitative Methods in Communication Research (3)

Orientation to the methods of qualitative research that are most frequently used in the communication discipline. Practical experience in data gathering and analysis procedures.

Level Restriction: Include GR.

COMM 602 - Quantitative Methods in Communication Research (3)

Orientation to the methods of quantitative research that are most frequently used in the communication discipline. Practical experience in data gathering and analysis procedures.

Level Restriction: Include GR.

COMM 603 - Communication Theory (3)

The study of current theories of human communication and the process of theory building.

Level Restriction: Include GR.

COMM 605 - Rhetorical Criticism (3)

Systematic review of the major contributions of rhetorical criticism theorists for their probable impact on communication.

Level Restriction: Include GR.

COMM 610 - Communication & Technology (3)

This course is designed to explore issues surrounding the emergence of new technologies and the evolution of the mediated communication process.

Level Restriction: Include GR.

COMM 622 - Directed Studies (1 - 3)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

COMM 699 - Thesis (1 - 6)

Optional for Master of Arts candidates on recommendation of major advisor. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

CRJ - Criminology and Criminal Justice

College of Humanities and Social Sciences

Department of Criminology and Criminal Justice (p. 88)

CRJ 510 - Administration of Criminal Justice (3)

Detailed overview and critical analysis of the three main components of the criminal justice system: police, courts, and corrections. Both historical development of the system and contemporary issues are discussed.

Class Restriction: Exclude Freshman and Sophomore.

CRJ 532 - Problem Solving Courts (3)

A critical evaluation of court innovations linked to the larger problem-solving justice philosophy, which emphasizes enhanced information and information sharing, community engagement, collaboration, individualized justice, offender accountability and outcomes.

Class Restriction: Exclude Freshman and Sophomore.

CRJ 542 - Prisoner Re-Entry (3)

As the number of individuals leaving prison increased dramatically, prisoner re-entry became a focus for practitioners and policy makers. This course will critically evaluate strategies designed to improve re-entry outcomes.

Class Restriction: Exclude Freshman and Sophomore.

CRJ 545 - Community-Based Corrections (3)

This course involves the study of correctional approaches outside of conventional incarceration and detention including: probation, parole, diversion, pretrial release, and intermediate sanctions. Students will garner an understanding about components of these conventional correctional approaches such as; evidence-based practices in treatment and supervision, community-based policies and statutes, and evaluation of community-based punishment. This course will address the history of community corrections, current issues, and trends in the application of such punishment.

Special Notes: CRJ 545 cannot be retaken for credit if CRJ 595 "Community Based Corrections" was taken in Fall 2018, Fall 2019, Fall 2020 or Spring 2023.

Offered: Generally offered Fall and/or Spring - Check with department/school for next offering. Mutually Exclusive Course: Credit allowed for only one of these courses: CRS 545 and CRJ 595. Class Restriction: Exclude Freshman and Sophomore.

CRJ 550 - Leadership and Management in Criminal Justice (3)

Explores the spectrum of criminal justice administration: law enforcement, corrections, and the courts. Topics include financial administration, employee supervision and discipline, civil liabilities, labor relations, professional ethics, and emerging technologies.

Class Restriction: Exclude Freshman and Sophomore.

CRJ 560 - Seminar in Criminological Theory (3)

Advanced study of criminological theories using a broad interdisciplinary perspective. Explain and critique current crime control and crime prevention strategies as they relate to theory, policy and practice.

Class Restriction: Exclude Freshman and Sophomore.

CRJ 570 - Seminar in Diversity in Criminal Justice (3)

Provides an in-depth analysis of diversity issues in the criminal justice system, specifically focusing on the role race/ethnicity, gender, and social class play in the various arenas of criminal justice.

Class Restriction: Exclude Freshman and Sophomore.

CRJ 580 - Advanced Research Methods in Criminal Justice (3)

Application of the scientific method to the study of crime with an emphasis on questions inherent to understanding and examining contemporary issues in criminology and criminal justice.

Class Restriction: Exclude Freshman and Sophomore.

CRJ 582 - Advanced Statistics in Criminal Justice (3)

Application of statistical methods for identifying, classifying and analyzing data; determine appropriate statistical techniques for particular data and report and interpret statistical output.

Prerequisite: CRJ 580 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

CRJ 595 - Special Topics in Criminology and Criminal Justice (3)

Course designed to investigate specific aspects of criminology and criminal justice.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with a maximum of 9 credit hours.

CRJ 610 - Planning and Evaluation in Criminal Justice (3)

Focus on planning involving multiple stakeholders in environments of change. Includes logic models, strategic planning, traditional program evaluation designs, summative and formative evaluations, and participatory action research.

Prerequisite: CRJ 580 with a minimum grade of C. Level Restriction: Include GR.

CRJ 622 - Directed Study (1 - 3)

Individualized investigation under the direct supervision of a faculty member (minimum of 37.5 clock hours required per credit hour).

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with a maximum of 3 credit hours.

CRJ 699 - Thesis (1 - 6)

Option to CRJ 697 on recommendations of student's advisor. Especially for students applying to doctoral

programs. Individual original research aimed at acquisition of research skills and application of theory. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

CSD - Communication Sciences and Disorders

College of Natural and Health Sciences

Department of Communication Sciences and Disorders (p. 92)

CSD 508 - Workshop (1 - 3)

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline.

Offered: Generally offered Fall and/or Spring Annually.
Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated..

CSD 515 - Foundations of Research and Writing (1)

Introduction to graduate-level writing and research strategies. Content includes identification of problems/research topics, use of library databases and web sources, organization of content, and use of current APA style.

Offered: Generally offered Fall and/or Spring Annually.
Class Restriction: Exclude Freshman and Sophomore.

CSD 516 - Professional Issues in SLP (2)

Professional issues in speech-language pathology as they relate to public schools, medical settings and private practice. Topics include the legislative issues, business practices, ethics, third party reimbursement procedures and laws.

Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR.

CSD 517 - Evidence-Based Decision-Making in Speech-Language Pathology (1)

Principles of evidence-based practice in speech-language pathology. Students will engage in systematic inquiry of treatment and assessment research studies in speech-language pathology. This will include forming answerable clinical questions, conducting thorough literature searches, critically appraising scientific evidence, and synthesizing findings to come to clinical decisions.

Offered: Generally offered Fall and/or Spring Annually.
Program Restrictions: Include Speech-Language Pathology-MA. Level Restriction: Include GR.

CSD 555 - Neuroanatomy and Neurophysiology of Communication (3)

Neuroanatomy-physiology related to speech, language and hearing; neuropathologies of the central nervous system and results of neurological insult.

Offered: Generally offered Fall and/or Spring Annually.
Class Restriction: Exclude Freshman and Sophomore.

CSD 563 - Voice and Resonance Disorders (3)

Etiologies and symptoms of dysphonia and laryngectomies, assessment and intervention strategies. Resonance disorders associated with cleft lip and palate and causes, including assessment and intervention in a team approach.

Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR.

CSD 564 - Audiology Clinical Simulation (1)

Application of basic and clinical science to clinical practice through simulated learning experiences. Students will develop audiology clinical skills using instrumentation and simulation technologies including standardized patients, digital mannequins, and computer-based interactive tools.

Offered: Generally offered Summer Annually. Program Restrictions: Include Doctor of Audiology. Level Restriction: Include GR. Course Fee: Course Fee Required.

CSD 567 - Diagnostic Procedures: Introduction (1 - 2)

Diagnostic principles, procedures, and materials used to assess individuals with communication disorders. Additional topics: case history, oral mechanism and interviewing techniques. Learners will perform speech/language screenings and diagnostic evaluations.

Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 8 credit hours. Course Fee: Course Fee Required.

CSD 568 - Diagnostic Procedures: Intermediate (1 - 2)

Diagnostic principles, procedures, and materials used in criterion-referenced assessment of individuals with communication disorders. Learners will perform speech and language screenings and diagnostic evaluations.

Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 8 credit hours. Course Fee: Course Fee Required.

CSD 569 - Advanced Diagnostic Procedures (1 - 2)

Diagnostic principles, procedures, and materials used in criterion-referenced assessment of individuals with communication disorders in a medical setting.

Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 4 credit hours. Course Fee: Course Fee Required.

CSD 570 - Rehabilitative Audiology And Counseling (2)

Theory, procedures and counseling for rehabilitation of children and adults with hearing loss.

Offered: Generally offered Summer Annually. Program Restrictions: Include Doctor of Audiology. Level Restriction: Include GR.

CSD 571 - Speech and Hearing Science (3)

Models of speech production and perception, measurement techniques for simple and complex signals. Course projects address application of models of speech production and perception to experimental and clinical situations.

Offered: Generally offered Spring Annually. Class Restriction: Exclude Freshman and Sophomore. Course Fee: Course Fee Required.

CSD 574 - Clinical Practicum in Audiology (1)

Perform basic audiometric testing: audiometric screening, routine hearing evaluation and impedance audiometry. S/U graded.

Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR. Course Fee: Course Fee Required.

CSD 575 - Advanced Clinical Applications I (1)

This course will link beginning academic coursework to clinical service delivery. Students will apply basic knowledge and skills in audiology and clinical science and apply them into evidence-based clinical decision making.

Prerequisite: CSD 574 and CSD 564 with a minimum grade of B-. Offered: Generally offered Fall, Spring and/or Summer Annually. Program Restrictions: Include Doctor of Audiology. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 3 credit hours. Course Fee: Course Fee Required.

CSD 576 - Advanced Clinical Applications II (1)

This course will link academic coursework to clinical service delivery to special patient populations. Students will apply intermediate knowledge and skills in audiology and clinical science and apply them into evidence-based clinical decision making.

Prerequisite: CSD 575 with a minimum grade of B-. Offered: Generally offered Spring Annually. Program Restrictions: Include Doctor of Audiology. Level Restriction: Include GR.

CSD 577 - Advanced Clinical Applications III (1)

This course will link academic coursework to advanced clinical service delivery. Students will apply advanced knowledge and skills in audiology and clinical science and apply them into evidence-based and ethical clinical decision making.

Prerequisite: CSD 576 with a minimum grade of B-. Offered: Generally offered Summer Annually. Program Restrictions: Include Doctor of Audiology. Level Restriction: Include GR.

CSD 580 - Clinical Practices in Aural Rehabilitation (1)

Habilitation/rehabilitation of individuals who are deaf or hard of hearing. Includes hearing aid and/or cochlear implant management.

Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Course Fee Required.

CSD 583 - Clinical Practicum: Introduction (1 - 2)

Introduces students to issues related to treating individuals with speech and/or language disorders. Topics include writing treatment plans, evaluating clinical performance, working with supervisors, measuring outcomes, and risk management. S/U graded.

Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR. Course Fee: Course Fee Required.

CSD 585 - Clinical Practicum in Speech-Language Pathology: Intermediate (1 - 2)

Students improve clinical skills and learn about issues related to clinical practice, including ethics, counseling, self evaluation, treatment notes, efficacy, outcome measures, sharing information verbally and relating to diverse populations.

Prerequisite: CSD 583 with a minimum grade of S. Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 8 credit hours.. Course Fee: Course Fee Required.

CSD 586 - Clinical Practicum in Speech-Language Pathology: Intermediate/Advanced (1 - 2)

Students improve their clinical skills and learn about issues related to clinical practice, including continuing education, conflict resolution, counseling, data keeping methods, technology, and clinical research.

Prerequisite: CSD 585 with a minimum grade of C. Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 4 credit hours.. Course Fee: Course Fee Required.

CSD 587 - Advanced Audiology (3)

Theory and practice of advanced techniques of audiometric assessment.

Offered: Generally offered Fall and/or Spring Annually. Class Restriction: Exclude Freshman, Sophomore.

CSD 588 - Clinical Practicum in Speech-Language Pathology: Advanced (1 - 2)

Students improve their clinical skills and learn about issues related to clinical practice in medical settings, including interviewing, professional liability, clinical fellowship year, leadership, mentoring, advanced counseling skills, and demonstrating clinical effectiveness.

Prerequisite: CSD 586 with a minimum grade of C. Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 3 credit hours.. Course Fee: Course Fee Required.

CSD 592 - Internship in Public Schools (1 - 15)

Supervised full-time experience working with school children. S/U graded.

Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 15 credit hours..

CSD 594 - Practicum and Advanced Topics in Audiology (1 - 6)

Perform the full range of clinical audiological services, including special testing, hearing aid evaluations and dispensing of hearing aids.

Prerequisite: CSD 574 with a minimum grade of S.
Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 15 credit hours.. Course Fee: Course Fee Required.

CSD 596 - Comparative Hearing and Vocal Mechanisms (3)

The study of bioacoustics and comparative anatomy and physiology of vocal and auditory mechanisms for various taxonomic classes.

Offered: Generally offered Fall and/or Spring Annually.
Class Restriction: Exclude Freshman and Sophomore and Junior.

CSD 597 - Seminar in Animal Audiology (3)

Study of audiological evaluation of animals with a focus on canines. Anatomy, pathology, restraint, conditioning, and behavior will be explored.

Prerequisite: CSD 487 with a minimum grade of B-.
Offered: Generally offered Fall and/or Spring Annually.
Class Restriction: Exclude Freshman and Sophomore.

CSD 615 - Research in Audiology (1 - 4)

Students will engage in systematic inquiry in audiology. This may include evaluating current research, posing research questions, formulating research designs, and developing formal research proposals.

Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 8 credit hours..

CSD 622 - Directed Studies (1 - 4)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Offered: Generally offered Fall and/or Spring - Check with department/school for next offering. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations..

CSD 655 - Acquired Disorders of Language & Cognition (3)

This course describes signs and symptoms, evaluation approaches, differential diagnostic criteria, prevention, and management approaches to speech and language disorders

resulting from acquired neurological dysfunction across the lifespan.

Prerequisite: CSD 555 with a minimum grade of C.
Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR.

CSD 656 - Feeding and Swallowing Disorders: Lifespan (3)

In-depth study of normal and disordered deglutition in adult and pediatric populations and dysphagia diagnosis and management.

Prerequisite: CSD 555 with a minimum grade of C.
Offered: Generally offered Fall, Spring, and/or Summer Annually. Level Restriction: Include GR. Course Fee: Course Fee Required.

CSD 657 - Motor Speech Disorders: Lifespan (2)

Etiologies and characteristics of motor speech disorders. Differential diagnosis and treatment of the disorders will be explored with pediatric and adult populations.

Prerequisite: CSD 555 with a minimum grade of C.
Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR.

CSD 658 - Assistive Technology for Communication Disorders (2)

Describes assistive technology (AT) applications for individuals with limited/restricted verbal communication. Emphasis on multidisciplinary assessment selection and use of low and high assistive technologies for communication and learning.

Offered: Generally offered Fall or Spring Annually. Level Restriction: Include GR.

CSD 661 - Articulation and Phonological Disorders in Children (3)

Disorders of speech production in pediatric populations. Biological, cognitive, linguistic, and ethno cultural systems influencing speech production, contributing/causal factors, theories of acquisition, assessment and treatment issues.

Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR.

CSD 664 - Fluency Disorders (3)

Characteristics of fluency and fluency disorders; biological, developmental, and environmental factors contributing to fluency disorders; models of and research in fluency disorders; assessment of fluency; and, treatment of fluency disorders.

Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR.

CSD 677 - Tinnitus and Hyperacusis (2)

This course will provide a strong clinical foundation in tinnitus and hyperacusis. Theories of origin, assessment and intervention will be taught through lectures, readings and hands-on applications.

Prerequisite: (CSD 711 and CSD 712 with a minimum grade of B-). Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR.

CSD 682 - Language Disorders in Early Childhood and Preschool (3)

Language disorders and prelinguistic communication, infancy through preschool. Application of contemporary theory and legislative assessment/treatment for infants and children demonstrating or at-risk for social-communicative-linguistic impairments.

Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR.

CSD 684 - Disorders of Language & Literacy: School-Age and Adolescent (3)

In-depth study of impairments of oral language, reading, and written expression in school-age children and adolescents. Explores typical development, models of impairment, assessment and treatment.

Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR. Course Attribute: Community Engaged Learning.

CSD 692 - Internship in Medical Settings (1 - 16)

Supervised full-time clinical experience in diagnosis/treatment of persons with speech, language and/or hearing disorders in medical settings. S/U graded.

Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 16 credit hours.

CSD 699 - Thesis: Communication Disorders (1 - 6)

Individual original research under the direction of faculty, aimed at acquisition of research skills, appreciation of the scientific inquiry process, knowledge of scientific writing style and dissemination. S/U graded.

Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

CSD 711 - Auditory Physiology (3)

Advanced physiology of the human auditory system, emphasizing electrical potentials; processes of pathophysiology.

Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR.

CSD 712 - Amplification I (4)

Advanced study of the theory and use of hearing aids, implantable devices, other amplification devices and assistive listening devices.

Offered: Generally offered Fall, Spring and/or Summer Annually. Program Restrictions: Include Doctor of Audiology. Level Restriction: Include GR.

CSD 715 - Applied Research in Audiology (1 - 4)

This course is designed as an advanced continuation of the CSD 615 sequence. It is a seminar to engage students in a doctoral scholarly research project. Students will explore multiple avenues for the presentation of professional quality scholarship.

Prerequisite: CSD 615 with a minimum grade of B-. Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 8 credit hours..

CSD 720 - Supervised Teaching in Audiology (1)

Emphasis on teaching techniques and methods for college and university instruction. S/U graded.

Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 6 credit hours..

CSD 721 - Psychoacoustics (2)

Concepts of loudness, adaptation, auditory fatigue, masking and the critical band, pitch perception, localization, temporal order and perceptual organization.

Prerequisite: CSD 711 with a minimum grade of B-. Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR.

CSD 723 - Amplification II (2)

The advanced study of the theory, instrumentation, fitting and verification of hearing aids, assistive listening devices, and introduction to implantable devices other than cochlear implants.

Prerequisite: CSD 712 with a minimum grade of B-. Offered: Generally offered Fall, Spring and/or Summer Annually. Program Restrictions: Include Doctor of Audiology. Level Restriction: Include GR.

CSD 724 - Differential Diagnosis of Auditory Disorders (3)

Theory and process of differential diagnosis of hearing and auditory processing disorders. Focus on behavioral testing, advanced immittance concepts and assessment. Some exposure to other objective measures.

Offered: Generally offered Summer Annually. Program Restrictions: Include Doctor of Audiology. Level Restriction: Include GR.

CSD 728 - Educational Audiology (3)

This course will focus on the application of audiological practices such as screening, assessment, rehabilitation, counseling, and instrumentation to manage children with varying hearing abilities in educational settings.

Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR.

CSD 731 - Cognition and Auditory Processing Disorders (2)

Theoretical overview, biologic bases, role of cognition, audiological assessment, and management of adults and children with auditory processing disorders (APD). Emphasis on application of theoretical knowledge to practical clinical audiology methods and techniques.

Offered: Generally offered Fall, Spring, and/or Summer - Check with department/school for next offering. Level Restriction: Include GR.

CSD 741 - Hearing Loss Prevention (3)

The study of noise as it pertains to the auditory system. Physical aspects of noise, instrumentation, measurement and reduction principles, hearing conservation management.

Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR. Course Fee: Course Fee Required.

CSD 742 - Advanced Diagnosis of Auditory Disorders (2)

Advanced study of auditory physiology, otoacoustic emissions, multi-frequency tympanometry and auditory evoked potentials.

Prerequisite: CSD 724 with a minimum grade of B-.
Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR.

CSD 743 - Medical Aspects of Audiology (4)

Study of the medical correlates of hearing impairment including pathogenesis of auditory pathologies, medical/surgical intervention, congenital/genetic syndromes, and related radiology/imaging/surgical techniques.

Offered: Generally offered Fall and/or Spring Annually.
Program Restrictions: Include Audiology-AUD. Level Restriction: Include GR.

CSD 744 - Vestibular Assessment and Management (3)

Advanced study of vestibular physiology, assessment and rehabilitation.

Prerequisite: (CSD 711 and CSD 742 with a minimum grade of B-). Offered: Generally offered Fall and/or Spring Annually. Program Restrictions: Include Doctor of

Audiology. Level Restriction: Include GR. Course Fee: Course Fee Required.

CSD 751 - Otopharmacology (2)

Pharmacology and ototoxicity as applied to clinical audiology. Basic mechanisms of pharmacodynamics, pharmacokinetics and pharmacotherapeutics and classes of drugs relative to otologic disorders.

Prerequisite: CSD 555 with a minimum grade of B-.
Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR.

CSD 768 - Cochlear Implants (3)

Advances in cochlear implant device circuitry, electrode design, speech processing strategies, candidacy, and rehabilitation are explored. The history and technological progression of cochlear implants are also reviewed.

Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR.

CSD 772 - Audiology Practice Management (2)

Introduction to issues and resources to manage an audiology practice. Topics of business planning, fiscal management, coding and third-party reimbursement, personnel management, marketing and professional communication, and working relationships

Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR.

CSD 774 - Professional Issues in Audiology (2)

Overview of professional responsibilities and intra-professional relationships in the hearing health care delivery system. Medical-legal issues, practice guidelines, licensure, intra-personal skills and ethics are addressed.

Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR.

CSD 775 - Advanced Electro-diagnosis (4)

(3 lecture, 2 lab) Laboratory required. Theory and practice of electrophysiologic assessment of the auditory system. Lab addresses clinical assessment using auditory evoked potentials testing. Evaluation, interpretation, and reporting of results will be included.

Prerequisite: (CSD 711 and CSD 742 with a minimum grade of B-). Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR. Course Fee: Course Fee Required.

CSD 782 - Pediatric Audiology (3)

Philosophy, diagnosis, and management of hearing loss in children. Includes auditory development, appropriate hearing assessment techniques for infants and children, interpretation of results, administering follow-up, and effective caregiver counseling.

Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR.

CSD 792 - Externship in Audiology (3 - 12)

Full-time, broad-based clinical experience in the diagnosis, treatment, management and prevention of hearing loss in a supervised off-campus site. Enrollment is during the 4th year of the Au.D. program. S/U graded.

Prerequisite: (CSD 592 and CSD 692 with a minimum grade of S). Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 27 credit hours.

CSD 794 - Practicum in Animal Awareness (2)

Exploration of the unique aspects of working with animal owners and professionals in animal care and veterinary settings.

Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR.

CSD 796 - Practicum in Animal Audiology (2)

Perform brainstem auditory evoked response screening and diagnostic testing with canines and equines. S/U graded.

Prerequisite: CSD 597 with a minimum grade of B-.
Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR. Repeatable Status: Course may be repeated 1 time..

DNCE - Dance

College of Performing and Visual Arts

School of Theatre Arts and Dance (p. 98)

DNCE 508 - Workshop (1 - 3)

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

DNCE 550 - Situating Dance: Exploring vital components of history, culture, and context (3)

Students learn to recognize links between early dance forms and those which are a part of the current cultural scene. Emphasis is placed on connections between dance forms and the accompanying culture, place and events found within a specific time frame along with developments in the other arts. Students will be expected to analyze historical dance forms

Offered: Generally offered Spring Annually. Degree Restriction: Include MA and MACC and MAST and MAT and MBS and MS. Level Restriction: Include GR.

DNCE 560 - Dance Movement Skills & Pedagogical Approaches (3)

Class involves the study of the technique and performance qualities of Modern and Jazz Dance. The focus is on an in-depth discovery of the methods of pedagogy for dance technique classes.

Degree Restriction: Include MA and MACC and MAST and MAT and MBS and MS. Class Restriction: Exclude Freshman and Sophomore.

DNCE 565 - Interdisciplinary Teaching and Advocacy in Dance (3)

Class involves learning how to use creative movement and dance to teach non-dance concepts and ideas, including using movement and dance to teach multicultural content. Techniques for dance education advocacy will also be presented.

Degree Restriction: Include MA and MAST and MAT and MBS and MS and MACC. Class Restriction: Exclude Freshman and Sophomore.

DNCE 570 - Doing, Teaching & Appreciating Choreography & Creative Dance I (3)

Students learn about presenting creative movement/dance lessons for elementary age children and improvisation/choreography classes for older students. Techniques for appreciating choreography are also presented along with active participation in creative movement, improvisation, and dance making based on basic choreographic principles and forms.

Degree Restriction: Include MA and MAST and MAT and MBS and MS and MACC. Class Restriction: Exclude Freshman and Sophomore.

DNCE 575 - Dance Lesson, Curriculum and Assessment Design (3)

Class includes learning to give differentiated feedback to students in movement skills classes; designing various types of dance-based lessons and curricula (modern, jazz, creative dance, choreography & improvisation); and structuring dance assessment instruments and rubrics.

Degree Restriction: Include MAST and MA and MAT and MBS and MS and MACC. Class Restriction: Exclude Freshman and Sophomore.

DNCE 600 - Movement and Dance - Framing a Research Question (3)

Students learn how to frame a research question and effective research strategies for use in dance education contexts. In addition, students produce a protocol, requiring detailed preparatory research, testing of ideas, and presentation of theories and concepts in practice. Students work under faculty supervision and prepare a documented written report.

Degree Restriction: Include MA and MAST and MAT and MBS and MS and MACC. Level Restriction: Include GR.

DNCE 690 - Thesis I (3)

Course builds on the initial research class by helping students refine a thesis topic and determine appropriate research methods. The course also includes work to define the purpose of the thesis, its significance, and possible sources for the review of literature. In addition, students describe a potential population of students for their project, along with the steps to be taken to complete their project. Possible thesis projects are: a research-based dance performance, research-based dance curriculum, or qualitative study exploring a dance education question.

Degree Restriction: Include MA and MAST and MAT and MBS and MS and MACC. Level Restriction: Include GR.

DNCE 693 - Popular Dance Forms (3)

Students learn movements from a number of popular dance forms - salsa, ballroom, hip hop, krump, steppin', Bollywood, country western line dancing and basic movements from yoga. Work on teaching progressions, pedagogical tips and lesson planning are also included.

Degree Restriction: Include MA and MAST and MAT and MBS and MS and MACC. Level Restriction: Include GR.

DNCE 695 - Doing, Teaching and Appreciating Choreography II (3)

Class is an investigation of dance improvisation and choreography as it relates to dance pedagogy and philosophy. More advanced techniques for appreciating choreography are presented along with active participation in improvisation and dance making based on intermediate choreographic principles and forms. Learning to design

choreographic experiences for students of different ages and ability levels is also part of this class.

Degree Restriction: Include MA and MAST and MAT and MBS and MS and MACC. Level Restriction: Include GR.

DNCE 697 - Dance Production Techniques (3)

Course covers dance production techniques to give students an overview and practical experience in all aspects of producing a dance concert or dance performance for primary level through college age students.

Degree Restriction: Include MA and MAST and MAT and MBS and MS and MACC. Level Restriction: Include GR.

DNCE 699 - Thesis II (3 - 6)

Course involves step-by-step process of writing and defending candidate's thesis project. S/U graded.

Degree Restriction: Include MA and MAST and MAT and MBS and MS and MACC. Level Restriction: Include GR.

ECLD - Culturally & Linguistically Diverse Education

College of Education and Behavioral Sciences

School of Teacher Education (p. 85)

ECLD 501 - World Language Practicum (3)

This course is designed to provide on-site mentoring and supervision to world language teacher candidates in K-12 schools. The candidates in this course will be required to observe, participate, analyze and reflect on teaching and learning in their placement settings. Mentoring and supervision will be aligned with the national and state standards for world language education. S/U graded.

Prerequisite: Concurrent Prerequisite ECLD 541 with a minimum grade of C. Offered: Generally offered Fall, Spring, and/or Interim Odd Years. Class Restriction: Exclude Freshman and Sophomore. Course Fee: Supervision Fee Required.

ECLD 504 - Field Experience in Culturally & Linguistically Diverse Education (3)

This course provides students with the opportunity to observe and participate in instructional strategies for culturally linguistically diverse (CLD) and bilingual learners. Students will examine instructional practices that facilitate language development and academic learning for CLD and bilingual students. At the same time, students will explore and critically reflect upon aspects of teaching practice involving culturally linguistically diverse and bilingual learners. With the help of the instructor and classmates, students will identify personal teaching strengths and challenges, and work to design and implement changes in teaching that will increase the chances for academic success among emergent bilinguals, bilinguals, and English language learners. S/U graded.

Prerequisite: (ECLD 602 and ECLD 611 with a minimum grade of C). Offered: Generally offered Spring Annually. Class Restriction: Exclude Freshman and Sophomore. Course Fee: Supervision fee required.

ECLD 508 - Workshop (1 - 3)

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

ECLD 510 - Practices in ESL/EFL Instruction and Assessment (3)

Drawing upon recent developments in linguistics and socio-cultural theories of second language acquisition, this course prepares ESL/EFL instructors to work with either adult ESL learners in English speaking countries or EFL learners in different international settings. The course examines theory driven, research informed, and evidence-based classroom instructional and assessment strategies that enhance social and academic language development. Candidates will engage in planning for standards-based ESL/EFL content instruction and the design of assessments for a variety of purposes including placement of learners, program planning and improvement, and communicating results of assessments to stakeholders.

Prerequisite: (ECLD 592 and ECLD 594 with a minimum grade of C). Offered: Generally offered Spring Annually. Class Restriction: Exclude Freshman and Sophomore.

ECLD 513 - Professional Renewal (1 - 3)

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than

the acquisition of general discipline knowledge or methodologies. S/U or letter graded.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

ECLD 515 - Content Literacy for Diverse Learners (3)

This course is designed to provide participants, as future elementary teachers of diverse learners, with special attention to ELL population, with an introduction to the language of academic disciplines and the literacy development of students' use of content and disciplinary discourse. Pertinent Scientifically Based Reading Research (SBRR) is reinforced, emphasizing vocabulary and reading comprehension at the discourse level for academic language/literacy development. The course participants examine strategies to integrate reading, writing, listening, and speaking within and across curriculums.

Offered: Generally offered Fall Annually. Class Restriction: Exclude Freshman and Sophomore.

ECLD 523 - Academic Language/Literacy Development for Diverse Learners in School Settings (3)

Examines relevant theories, concepts and research related to development of content specific academic language/literacy skills for all learners, including culturally and linguistically diverse learners. Investigates how to implement effective strategies and select appropriate materials for learners', particularly CLD students', language/literacy development and content learning.

Offered: Generally offered Fall, Spring, and/or Summer Annually. Class Restriction: Exclude Freshman and Sophomore.

ECLD 541 - Methods of Language Teaching in Multilingual Settings (3)

Prerequisite to student teaching. Informed by theories and supported by research, emphasize standards-based teaching and learning methods, curriculum and classroom organization and design, assessment and evaluation, procedures and materials, in relationship to world language and bilingual education in a K-12 setting.

Offered: Generally offered Fall Annually. Level Restriction: Include GR.

ECLD 590 - Communication and Technologies for Multilingual Education (3)

This course prepares teachers of English and other languages to use current technologies for language education in a variety of second or foreign language contexts.

Level Restriction: Include GR.

ECLD 592 - Second Language Acquisition Theory (3)

Designed for educators who are preparing to teach or who are already teaching, English or another language as a second or an additional language. Introduces students to the existing body of theory related to second language.

Class Restriction: Exclude Freshman and Sophomore.

ECLD 593 - Language, School and Society (3)

Designed for educators who are preparing to teach, or are already teaching, culturally and linguistically diverse learners. Primary focus is on the interactions and interrelationships between and among society, language, and institutions of schooling.

Class Restriction: Exclude Freshman and Sophomore.

ECLD 594 - Foundations of Language and Linguistics for ESL/Bilingual Educators (3)

Provides teachers of English language learners with an introduction to linguistics and its application in the ESL classroom: linguistic concepts about oral and written language use and development.

Class Restriction: Exclude Freshman and Sophomore.

ECLD 596 - Effective Instruction in Culturally and Linguistically Diverse Education (3)

This course examines methods of instruction and assessment that target systematic integration of language and content in specific curriculum content areas. Course readings and projects strengthen teachers' theoretical foundation while providing hands-on experience in implementing effective instruction and assessment that address the new Colorado English Language Proficiency Standards (WIDA) to enhance student learning. Topics include selection and effective use of resources and materials, instructional and assessment strategies, program planning and improvement, communicating results of assessments to stakeholders, emphasizing culturally and linguistically responsive pedagogies.

Class Restriction: Exclude Freshman and Sophomore.

ECLD 601 - Language, Linguistics, and Education (3)

From the perspective of sociocultural theory and a functional view of language, the course examines language as a meaning making tool for learners in the process of learning language and using language to learn. The course deepens the knowledge of systemic functional linguistics in L2 teaching and learning. Focusing on critical analysis of the use of language in a variety of teaching contexts, the course examines the interrelatedness between language and education, which serves to guide analysis and development of language-based curriculum.

Offered: Generally offered Summer Annually. Level Restriction: Include GR.

ECLD 602 - Teaching Culturally Linguistically Diverse and Bilingual Learners (3)

This course provides a comprehensive introduction to the education of linguistically and culturally diverse (CLD) and bilingual learners. Content knowledge covers the fields of ESL, bilingual, and multicultural education and provides examples of effective practices and their underlying research knowledge base. Students are encouraged to engage in critical reflection on classroom practices related to linguistic and cultural diversity and bilingualism, and to apply what they have learned to their own teaching contexts.

Offered: Generally offered annually every Fall. Level Restriction: Include GR.

ECLD 605 - Seminar in Multilingual Teaching and Learning (3)

This course discusses research and practice topics relevant to the education of culturally and linguistically diverse students. It requires the design of a research project on one of the course areas.

Prerequisite: 18 hours required. Offered: Generally offered Fall and/or Summer - Check with department/school for next offering. Level Restriction: Include GR.

ECLD 611 - CLD Methods and Assessment I (3)

This course prepares teachers to integrate language and content instruction for CLD students, and to adopt culturally and linguistically responsive approaches to teaching diverse learners. Coursework is designed to enhance teachers' foundational knowledge of equitable and effective methods and assessment, including projects that provide opportunities for hands-on experience in implementing effective instructional strategies and assessment for CLD learners.

Offered: Generally offered Fall Annually. Level Restriction: Include GR.

ECLD 612 - CLD Methods and Assessment II (3)

This course focuses on the practical application of instructional strategies and assessment that support academic language and content learning among emergent bilingual learners. Students learn how to determine an emergent bilingual's language proficiencies in the four language domains, design lessons and assessments to address language development needs, and conduct practice progress monitoring. Students also practice leadership in professional collaboration, family outreach, and advocacy for CLD students. The goals and programming of dual language immersion programs are examined, along with strategies that utilize students' heritage language to support literacy and content areas in English.

Prerequisite: ECLD 611 with a minimum grade of C. Level Restriction: Include GR.

ECLD 622 - Directed Studies (1 - 3)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

EDEL - Elementary Education

College of Education and Behavioral Sciences

School of Teacher Education (p. 85)

EDEL 510 - Reading Assessment Informs Teaching (3)

Foundational study of reading assessment, based on principles for matching reading assessment data to instructional decisions; policy provisions on assessment in a multi-tiered system of support; effective and ethical assessment in aspects of reading—such as phonological/phoneme awareness, phonics and word identification, fluency, vocabulary, and comprehension; assessment informing instruction for dyslexia and other persistent reading difficulties; knowledge of language structures necessary for interpreting assessment.

Program Restrictions: Include Education:Elem Ed License-MAT. Level Restriction: Include GR.

EDEL 513 - Professional Renewal (1 - 3)

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than the acquisition of general discipline knowledge or methodologies. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

EDEL 520 - Effective Instruction in Elementary School Mathematics (3)

A comprehensive examination of issues, trends and practices in elementary school mathematics programs, including instructional strategies, planning, development, materials and evaluation. Emphasis on promoting problem solving in school mathematics curriculum.

Class Restriction: Exclude Freshman and Sophomore.

EDEL 525 - Integrated Methods: Visual Arts, Music and Physical Education (1 - 3)

Integration of visual art, music and physical education. Students learn discipline specific instruction techniques,

strategies, activities and content knowledge to effectively integrate these areas across the curriculum.

Class Restriction: Exclude Freshman and Sophomore.

EDEL 544 - Elementary Student Teaching (4)

Includes sixteen weeks of continuous field experience in an elementary (K-6) school setting with supervision by university and school faculty. Contributes to the fulfillment of field hour requirements for Colorado state licensure.

Prerequisite: (GPA-GR-3.0) and (Passed Required Praxis) and (Completion of Application for Student Teaching). Corequisite: EDEL 545. Offered: Generally offered Spring Annually. Level Restriction: Include GR. Course Attribute: Variable Title Course. Course Fee: Supervision Fee Required.

EDEL 545 - Elementary Student Teaching Seminar and Capstone (2)

The Elementary Student Teaching Seminar and Capstone provides MAT:EEL student teachers with opportunities to extend and reflect on their experiences in their student teaching classroom and to collaborate with their university supervisors, school faculty, and colleagues to improve teaching skills, plan to apply for Colorado licensure (K-6), and prepare to enter the education work force. S/U graded.

Prerequisite: (GPA-GR-3.0) and (Passed Required Praxis) and (Completion of Application for Student Teaching). Corequisite: EDEL 544. Offered: Generally offered Spring Annually. Level Restriction: Include GR.

EDEL 550 - Effective Instruction in Elementary School Social Studies (3)

In-depth consideration of issues, problems and practices in the elementary social studies classroom, including instructional strategies planning, materials and evaluation. Emphasis on thinking in a pluralistic democratic society. Class Restriction: Exclude Freshman and Sophomore.

EDEL 555 - Effective Instruction in Elementary School Reading, Writing and Communicating (3)

This course provides an introduction to teaching/learning strategies in reading, writing, speaking and listening including ways to plan, teach and assess student growth in literacy skills.

Class Restriction: Exclude Freshman and Sophomore.

EDEL 560 - Teaching Foundational Reading Skills (3)

Instructional application of foundational skills of reading development, based on consensus science in effective reading instruction; effective instruction in components of reading and writing-phonological/phonemic awareness, phonics and word identification, fluency, vocabulary, text comprehension; instruction with dyslexia and other persistent reading difficulties.

Prerequisite: EDEL 510 with a minimum grade of C.
Program Restrictions: Include Education:Elem Ed License-MAT. Level Restriction: Include GR.

EDEL 602 - Elementary School Practicum (2)

The purpose of this Practicum is to provide prospective elementary-school teachers with opportunities to work with children and experienced teachers. Teacher candidates observe, discuss, and reflect on classroom routines and procedures with their cooperating teachers, as well as gain practice instructing and assessing children's learning. Practicum experiences are designed to develop teacher candidates' competence relative to the Colorado Teacher Quality Standards and to help children meet or exceed expectations for learning as specified in the Colorado Academic Standards.

Prerequisite: Completion of Appl for Grad Lic Adm to PTEP. Corequisite: EDEL 603. Offered: Generally offered Fall Annually. Level Restriction: Include GR. Course Fee: Supervision Fee Required.

EDEL 603 - Elementary Practicum Seminar (1)

The purpose of the Elementary Practicum Seminar is to provide prospective elementary-school teachers an opportunity to grow their teaching skills and reflect on their teaching practices. Teacher candidates discuss and reflect on classroom routines and procedures and instructional and assessment strategies, methodologies, and best practices. Seminar experiences are designed to develop teacher candidates' competence relative to the Colorado Teacher Quality Standards and to help children meet or exceed expectations for learning as specified in the Colorado Academic Standards. S/U graded.

Prerequisite: Completion of Appl for Grad Lic Adm to PTEP. Corequisite: EDEL 602. Offered: Generally offered Fall Annually. Level Restriction: Include GR.

EDEL 612 - Elementary School Curriculum (3)

A review and analysis of competing conceptualizations of the elementary-school curriculum. Teachers develop, implement, and evaluate curriculum in elementary classrooms. Current topics, trends and issues in curriculum are explored.

Level Restriction: Include GR.

EDEL 613 - Integrated Curriculum (3)

Theory, design, development, implementation and evaluation of integrated curriculum. Students develop interdisciplinary units of study and learn active learning strategies and techniques consistent with an effective rationale for integrated curriculum.

Level Restriction: Include GR.

EDEL 622 - Directed Studies (1 - 3)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

EDEL 797 - Doctoral Proposal Research (1 - 4)

Students must earn 4 hours of credit for doctoral dissertation research proposal in partial fulfillment of requirements for doctoral degree before admission to candidacy. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 4 credit hours.

EDEL 799 - Doctoral Dissertation (1 - 12)

Students must earn 12 hours of credit for the dissertation in partial fulfillment of requirements for the doctoral degree. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

EDF - Foundations of Education

College of Education and Behavioral Sciences

School of Teacher Education (p. 85)

EDF 500 - Conceptions of Schooling (3)

Investigation of social contributions of schools. Determination of what the public expects from local schools, assessing how accurately present systems meet public's expectations and individual implications for teaching.

Class Restriction: Exclude Freshman and Sophomore.

EDF 508 - Workshop (1 - 3)

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

EDF 513 - Professional Renewal (1 - 3)

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than the acquisition of general discipline knowledge or methodologies. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

EDF 610 - Teacher Research (3)

Provides teachers with an analytic framework for understanding different types of teacher research as well as strategies and techniques for conducting research in K-12 schools.

Level Restriction: Include GR.

EDF 618 - Internship in Cultural Studies and Equity (1)

This course is designed to assist students in the completion of their internship for the Cultural Studies and Equity Graduate Certificate. The course will guide students in applying theoretical and empirical understandings of cultural diversity and equity in their selected field placement. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

EDF 619 - Pluralism in Education (3)

Assists student in recognizing need for creating processes that enable children, educators and others to support and design a culturally and socially diverse curriculum.

Level Restriction: Include GR.

EDF 622 - Directed Studies (1 - 3)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

EDF 640 - Psychological Foundations of Education (3)

Exploration and analysis of possible range of assumptions about nature of human activity (thinking, behaving, feeling) and implications of those assumptions relative to educational enterprise.

Level Restriction: Include GR.

EDF 642 - Foundations of Environmental Education (3)

Exploration of historical, political, and sociological foundations of environmental education in the US and internationally. Particular attention paid to curriculum in formal and non-formal schooling.

Level Restriction: Include GR.

EDF 645 - Innovative Practice in Contemporary Education (3)

Explores contemporary education trends, including strategies for English language learners, and promotes reflection and action toward responsible leadership for diverse students in an era of innovation and change; examines current issues in instructional and assessment practices, from social and historical and political perspectives.

Corequisite: EDFE 550. Offered: Generally offered Fall Annually. Level Restriction: Include GR.

EDF 648 - Foundations of Instructional Methods (3)

General principles of curriculum design, pedagogy and assessment with content area concentrations. Special focus on the research literature on assessment and instruction practices.

Offered: Generally offered Summer Annually. Level Restriction: Include GR.

EDF 653 - Educational Inquiry Seminar (3)

Teacher candidates reflect upon applied theories of methods, assessment, and pedagogy to diverse contexts; data collection for capstone.

Offered: Generally offered Fall Annually. Major/Minor Restriction: Include Secondary Pedagogy. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

EDF 662 - Foundations of Curriculum Development and Instructional Practice (3)

Examines nature and scope of curriculum planning, instructional design, decision making, and implementation. Delivery and instruction of a curriculum, the process for changing curriculum are investigated.

Level Restriction: Include GR.

EDF 664 - Instruction and Assessment (3)

Examine current issues in instructional and assessment practices, from social and historical and political perspectives; focus on the research literature on instruction and assessment practices.

Level Restriction: Include GR.

EDF 670 - Introduction of Research Literature (3)

Examines roots of educational research, its evolution in context of educational reform. Conceptual base in the interpretation, application, and dissemination of current and emerging literature.

Level Restriction: Include GR.

EDF 685 - Philosophical Foundations of Education (3)

Examine leading contemporary and classical philosophical systems and how they culminate in practical educational goals, systems of justification and practices. Includes the study of educational aims and values.

Level Restriction: Include GR.

EDF 700 - Implementation and Evaluation of Curriculum (3)

Analysis of major concepts as related to the implementation and evaluation of curriculum. Covers models of curriculum design and strategies for implementing and evaluating curriculum.

Level Restriction: Include GR.

EDF 701 - Doctoral Seminar (1)

Focus of the seminar changes. It helps doctoral students to identify research methods, dissertation topic and design, conceptual framework, hypothesis, research and writing strategies.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

EDF 720 - Foundations of Educational Research (3)

An advanced study of modes of inquiry used to address educational issues. Students critically evaluate educational research and identify and study a problem of practice.

Prerequisite: (SRM 602 and SRM 680 with a minimum grade of C). Level Restriction: Include GR.

EDF 773 - Literacy as Social Practice (3)

Exploration of concepts of literacy as social construction; includes aspects of influence on status, power, and mobility within society.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 3 credit hours.

EDF 775 - History of Education Reform and Change (3)

Analysis of research on History of American Education with respect to implications for contemporary educational curriculum, reform, and innovation.

Level Restriction: Include GR.

EDF 777 - Social Justice in Education Reform (3)

Analysis of research and social justice leadership and reform in schools (past, present, future). Critical reflection of teaching and learning that define, support, or hinder social justice in education.

Level Restriction: Include GR.

EDF 778 - Social Theory of Learning and Change (3)

Examination of individual and collective learning as developmental transformation within and across social organizations, such as schools. Explores concepts of identity, power, meaning, boundaries and interaction between individuals and systems.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 3 credit hours.

EDF 781 - Perspectives on Curriculum (3)

Exploration of curriculum theory and practice. The course addresses current orientations and applications of curriculum and its community of scholars and practitioners.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 3 credit hours.

EDF 785 - Contemporary School Reform (3)

Provide students with a broad understanding of the historical development of education reform initiatives in the United States, emphasizing the period beginning in 1983, as well as the skills and experience to evaluate contemporary and future reform critically.

Degree Restriction: Include DOC. Level Restriction: Include GR.

EDF 787 - Technology, Innovation, and Education (3)

Analysis of theory and practice-based research relevant to thoughtful design, implementation, and assessment of educational media and technology initiatives.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 3 credit hours.

EDF 795 - Comprehensive Seminar (3)

Application of education knowledge and research methods. Students independently write a research paper suitable for publication in an education research journal. S/U Graded.

Degree Restriction: Include EDD and PHD and AUD and DA and DNP. Level Restriction: Include GR.

EDF 797 - Doctoral Proposal Research (1 - 4)

Candidate must earn a minimum of 4 credit hours for doctoral proposal research in partial fulfillment of the requirements for the degree.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

EDF 799 - Doctoral Dissertation (1 - 12)

Candidates must earn a minimum of 12 credit hours for the dissertation in partial fulfillment of the requirements for the degree.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 12 credit hours.

EDFE - Educational Field Experiences

College of Education and Behavioral Sciences

School of Teacher Education (p. 85)

EDFE 501 - Practicum (1 - 4)

Arrange with instructor. Undertake educational field studies in school settings, either individual or team oriented and focus on practical and relevant assessment of needs in teacher education. S/U graded.

Prerequisite: Completion of Appl for Initial Adm to PTEP. Class Restriction: Exclude Freshman and Sophomore. Repeatable Status: Course is repeatable with no limitations.

EDFE 550 - Practicum in Secondary Schools (2)

The purpose of this Practicum is to provide prospective secondary-school teachers with opportunities to work with children and experienced teachers. Teacher candidates will observe, participate in, analyze, and reflect on teaching and learning in secondary school and classroom settings, as well as gain practice instructing and assessing children's learning. Practicum experiences are designed to develop teacher candidates' competence relative to the Colorado Teacher Quality Standards and to help children meet or exceed expectations for learning as specified in the Colorado Academic Standards.

Prerequisite: (GPA-GR-3.0) and (Completion of Appl for Grad Lic Adm to PTEP). Corequisite: EDFE 551. Offered: Generally offered Fall Annually. Major/Minor Restriction: Include Secondary Pedagogy. Type of Restriction For

Major/Minor Code: Major(s). Level Restriction: Include GR. Course Fee: Supervision Fee Required.

EDFE 551 - Secondary Practicum Seminar (1)

The purpose of the Secondary Practicum Seminar is to provide prospective secondary-school teachers an opportunity to grow their teaching skills and reflect on their teaching practices. Teacher candidates discuss and reflect on classroom routines and procedures and instructional and assessment strategies, methodologies, and best practices. Seminar experiences are designed to develop teacher candidates' competence relative to the Colorado Teacher Quality Standards and to help children meet or exceed expectations for learning as specified in the Colorado Academic Standards. S/U graded.

Prerequisite: (GPA-GR-3.0) and (Completion of Appl for Grad Lic Adm to PTEP). Corequisite: EDFE 550. Offered: Generally offered Fall Annually. Major/Minor Restriction: Include Secondary Pedagogy. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

EDFE 554 - Secondary Practicum (3)

The course provides teacher candidates with opportunities to observe, participate in, analyze, and reflect on teaching and learning in secondary school and classroom settings.

Prerequisite: Completion of Appl for Grad Lic Adm to PTEP. Offered: Generally offered Fall Annually. Class Restriction: Exclude Freshman and Sophomore.

EDFE 555 - Supervised Student Teaching (1 - 9)

Meets student teaching requirement for certification. S/U graded.

Prerequisite: Completion of Appl for Grad Lic Adm to PTEP and Passed Required Praxis. Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR. Course Attribute: Variable Title Course. Course Fee: Supervision Fee Required.

EDFE 556 - Student Teaching in Secondary Schools (4)

Sixteen-week student teaching field experience emphasizing planning, methods, assessment, classroom management, content, literacy, individualized instruction, diversity, human relations, and professionalism. To pass, students must meet all requirements and Satisfactorily pass EDFE 557.

Prerequisite: (GPA-GR-3.0) and (Completion of Appl for Grad Lic Adm to PTEP) and (Passed Required Praxis). Corequisite: EDFE 557. Offered: Generally offered Spring Annually. Major/Minor Restriction: Include Secondary Pedagogy. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Course Fee: Supervision Fee Required.

EDFE 557 - Secondary Student Teaching Seminar (2)

Student Teaching Seminars that require students to reflect on student teaching; collaborate with supervisors, school faculty, and colleagues; and plan, teach, assess, and evaluate a unit of instruction. To pass, students must meet all requirements and earn a B- or better in EDFE 556. S/U graded.

Prerequisite: (GPA-GR-3.0) and (Completion of Appl for Grad Lic Adm to PTEP) and (Passed Required Praxis). Corequisite: EDFE 556. Offered: Generally offered Spring Annually. Major/Minor Restriction: Include Secondary Pedagogy. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

EDI - Educational Interpreting

College of Education and Behavioral Sciences

Department of American Sign Language and Interpreting Studies (p. 81)

EDI 513 - Professional Renewal (1 - 3)

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than the acquisition of general discipline knowledge or methodologies. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

EDLD - Education of Linguistically Different

College of Education and Behavioral Sciences

School of Teacher Education (p. 85)

EDLD 508 - Workshop (1 - 3)

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline.

Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

EDLD 513 - Professional Renewal (1 - 3)

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than the acquisition of general discipline knowledge or methodologies. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

EDLD 622 - Directed Studies (1 - 3)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

EDRD - Reading

College of Education and Behavioral Sciences

School of Teacher Education (p. 85)

EDRD 513 - Professional Renewal (1 - 3)

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than the acquisition of general discipline knowledge or methodologies. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

EDRD 699 - Thesis (1 - 6)

Optional for Master of Arts programs on recommendation of major advisor. Successful completion of a formal thesis paper and oral defense required. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

EDRD 795 - Supervised Practicum in College Teaching (3)

Experiences in observation and supervised practice in college teaching to be used as basis for analysis of learning experiences. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 9 credit hours.

EDRD 797 - Doctoral Proposal Research (1 - 4)

Students must earn 4 hours of credit for doctoral dissertation research proposal in partial fulfillment of requirements for doctoral degree before admission to candidacy. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 4 credit hours.

EDRD 799 - Doctoral Dissertation (1 - 12)

Students must earn 12 hours of credit for the dissertation in partial fulfillment of requirements for the doctoral degree. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

EDS - Education of Diverse Students

College of Education and Behavioral Sciences

School of Teacher Education (p. 85)

School of Special Education (p. 84)

EDS 581 - Basic Principles of CLD & SPED Education (3)

This course is designed to provide the political, historical and legal foundations of special education and the education of culturally and linguistically diverse populations, and addresses the educational implications for the teacher and children with unique learning needs.

Class Restriction: Exclude Freshman and Sophomore.

EDS 582 - Assessment: Special Education and Culturally and Linguistically Diverse Students (3)

Students gain knowledge and skills to select, adapt, and conduct assessments, develop Individualized Educational Programs, and use data from assessment to plan instruction within a continuum of service delivery models for diverse children and youth.

Class Restriction: Exclude Freshman and Sophomore.

EDS 602 - Graduate Research with Diverse Learners (3)

Students will be introduced to educational research, design, analysis and its applicability when reading, designing, or conducting educational research, particularly research that involves K-12 students with special education needs and those who are learning English as a new language.

Level Restriction: Include GR.

EDS 603 - Field Based Experience CLD/SPED (6)

This course is designed for the CLD/SPED graduate student to be provided with opportunities to observe and participate in a variety of special education and second language acquisition settings; reflect on the observations and develop teaching related artifacts suitable for use in specified field experience settings (specifically serving students with special needs and/or those students with culturally/linguistically diverse needs). S/U graded.

Level Restriction: Include GR.

EDSE - Special Education

College of Education and Behavioral Sciences

School of Special Education (p. 84)

EDSE 507 - Field-Based Experience (3)

The special education teacher candidate will be provided opportunities to observe, analyze and reflect on issues including diversity, professionalism, best practices in teaching, rights and responsibilities, and instruction in a K-12 special education setting. EDSE 507 is a self-paced, module-based course, delivered through Blackboard. Assignments for EDSE 507 are described within eight modules. In addition to the eight modules, observations (70 hours) are required.

Class Restriction: Exclude Freshman and Sophomore.

EDSE 508 - Workshop (1 - 4)

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

EDSE 509 - Strategies for Students with Exceptionalities (3)

Provides effective strategies to education all students, particularly at secondary level. Overviews special education process and inclusive education models; characteristics, transitional needs, and culturally linguistically different exceptional learners and their families.

Class Restriction: Exclude Freshman and Sophomore.

EDSE 510 - Foundations of Special Education (3)

This course is designed to provide the historical and legal foundations of special education and the educational implications for educators of students with exceptionalities.

Class Restriction: Exclude Freshman and Sophomore.

EDSE 511 - Content Accessibility for CLD and Students with Identified Needs (3)

This course addresses culturally responsive theories, concepts, and research related to effective instructional planning and skill development for students with disabilities including those from culturally and linguistically diverse backgrounds and who are English language learners.

Class Restriction: Exclude Freshman and Sophomore.

EDSE 512 - Assessment, IEP Development and Instructional Planning (3)

Students gain knowledge and skills for selecting, adapting, and using assessments, developing Individualized Education Programs, and planning instruction within a continuum of service delivery models.

Class Restriction: Exclude Freshman and Sophomore.

EDSE 513 - Professional Renewal (1 - 3)

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than the acquisition of general discipline knowledge or methodologies. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

EDSE 517 - Alternate Field Based Experience (3)

The special education teacher candidate will be provided opportunities to observe, analyze and compare/contrast special education programming in the United States to that of the teacher candidate's home country. The teacher candidate will reflect on issues including diversity, professionalism, best practices in teaching, students' rights and responsibilities, and instruction as related to K-12 special education settings. EDSE 517 is a self-paced, module-based course. Classroom observation hours are required. Individual assistance is provided as needed.

Class Restriction: Exclude Freshman and Sophomore.

EDSE 530 - Family/Professional Partnerships (3)

The course promotes in-depth reflection on collaboration with families of young children using a case method of instruction. Family systems perspectives and family centered approaches are emphasized.

Level Restriction: Include GR.

EDSE 531 - Assessment and Planning in Early Childhood Special Education (3)

The course explores theory and application of assessment methods in Early Childhood Special Education. Cross-disciplinary approaches, matching assessment procedures to the intended purpose, and linked assessment/planning systems are emphasized.

Class Restriction: Exclude Freshman and Sophomore.

EDSE 532 - Typical and Atypical Early Child Development: Application to Early Childhood Special Education (3)

The course will explore typical and atypical patterns of early child development; biological, cultural, and environmental influences; and implications for appropriate practice in Early Childhood Special Education.

Class Restriction: Exclude Freshman and Sophomore.

EDSE 533 - Curriculum and Instruction in Early Childhood Special Education (3)

The course explores recommended practices for inclusive education of young children with developmental concerns. Developmentally appropriate, individually responsive, cross-disciplinary, and evidence-based practices are emphasized across developmental domains.

Class Restriction: Exclude Freshman and Sophomore.

EDSE 534 - Research, Policy, and Advocacy in Early Childhood Special Education (3)

The course explores efficacy research, state and federal policies and systems, nationally recommended practices, and advocacy processes that support high quality services in Early Childhood Special Education (ECSE).

Class Restriction: Exclude Freshman and Sophomore.

EDSE 537 - Practicum in EC/ESCE: Infants and Toddlers (2)

Students build on knowledge and competencies gained throughout their master's program to synthesize their knowledge and apply recommended practices in EC/ECSE settings for children birth to 3 years of age.

Class Restriction: Exclude Freshman and Sophomore.
Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Supervision Fee Required.

EDSE 538 - Practicum in EC/ECSE: 3-5 years (2)

Students build on knowledge and competencies gained throughout their master's program to synthesize their knowledge and apply recommended practices in EC/ECSE settings for children 3-5 years of age.

Class Restriction: Exclude Freshman and Sophomore.
Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Supervision Fee Required.

EDSE 539 - Practicum in EC/ECSE: 5-8 years (2)

Students build on knowledge and competencies gained throughout their master's program to synthesize their knowledge and apply recommended practices in EC/ECSE settings for children 5-8 years of age.

Class Restriction: Exclude Freshman and Sophomore.
Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Supervision Fee Required.

EDSE 541 - Introduction to Visual Impairments and Deaf-Blindness (3)

Historical perspectives and current educational services for student with visual impairment and deaf-blindness across the lifespan. Emphasis placed on growth and development and psychosocial effects of visual impairment.

Class Restriction: Exclude Freshman and Sophomore.

EDSE 543 - Braille Codes and Formats (3)

Study literary and nemeth codes, basic abacus operations. Techniques of teaching literacy skills to students with visual disabilities are included.

Class Restriction: Exclude Freshman and Sophomore.

EDSE 546 - Principles of Orientation and Mobility (3)

Philosophy and history of cane instruction, dog guides and other methods of travel. Techniques in developing orientation skills and pre-cane mobility instruction. Gross motor and concept development are presented.

Class Restriction: Exclude Freshman and Sophomore.

EDSE 547 - Individual Instruction in Orientation and Mobility (3)

Required laboratory arranged. A study of methods involved in general navigation and environmental awareness relating to severe vision needs. Travel techniques are gained while working under simulated conditions.

Prerequisite: (Completion of Appl for Grad Lic Adm to PTEP) and (EDSE 546 with a minimum grade of C).

Offered: Generally offered Summer Annually. Class Restriction: Exclude Freshman and Sophomore.

Repeatable Status: Course is repeatable with a maximum of 4 credit hours.

EDSE 548 - Medical and Educational Implications of Visual Impairments (3)

Anatomy and physiology of the eye, medical and educational assessment of low vision and functional implications of various eye conditions. Techniques to develop use of functional vision.

Class Restriction: Exclude Freshman and Sophomore.

EDSE 549 - Assessment of Students with Visual Impairments (3)

Assessment procedures related to learners with visual impairments. Determination of learning needs and appropriate learning media. Relationship of assessment, IEP development and placement.

Prerequisite: (EDSE 541 and EDSE 548 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore.

EDSE 550 - Foundations of Deaf Education (3)

This course is designed to provide the historical, legal, and cultural foundations of deaf education and the educational implications for the teacher and student who is deaf or hard of hearing.

Class Restriction: Exclude Freshman and Sophomore.

EDSE 597 - Effective Instruction in Special Education (3)

This course addresses how to provide curriculum access and effectively teach skills in literacy, math, and general education content areas for students with exceptionalities. Emphasis is placed on evidence-based practices for targeted and embedded instruction of discrete skills in reading and math, and evidence-based strategies for adapting lesson plan formats and delivery modes to assure content access and student progress.

Class Restriction: Exclude Freshman and Sophomore.

EDSE 613 - Applied Assessment (3)

Students develop assessment skills related to students with disabilities focusing on principles, purposes, and the practice of assessment tools, including formal and informal measures.

Prerequisite: EDSE 512 with a minimum grade of C.

Offered: Generally offered Fall, Spring, and/or Summer Annually. Level Restriction: Include GR. Course Fee: Assessment Fee Required.

EDSE 614 - Behavioral Interventions (3)

This course is designed to provide special educators with researched-based assessment and intervention strategies for working with individuals who have behavioral needs.

Offered: Generally offered Fall, Spring, and/or Summer Annually. Level Restriction: Include GR.

EDSE 616 - Scientifically Based Literacy Interventions (3)

This course provides scientifically based literacy interventions for learners with exceptional needs including theoretical models related to interventions addressing the five reading components (i.e., phonemic awareness, phonics, vocabulary, comprehension, and fluency).

Offered: Generally offered Fall, Spring, and/or Summer Annually. Level Restriction: Include GR.

EDSE 617 - Mathematics and Content Area Learning for Students with Disabilities (3)

This course prepares teachers to teach mathematics and content areas to students with disabilities. Scientifically research-based and validated methods will be emphasized for effective instruction, technology use, and collaborative support. Offered: Generally offered Fall, Spring, and/or Summer Annually. Level Restriction: Include GR.

EDSE 618 - Educating Students with Significant Support Needs (3)

This course addresses planning, managing, and collaboratively delivering educational plans and interventions for students with severe disabilities. It addresses academic, communication, behavioral, medical, and unique individual needs, K-12.

Offered: Generally offered Fall, Spring, and/or Summer Annually. Level Restriction: Include GR.

EDSE 619 - Secondary Services (3)

This course includes an overview of transition services, academic strategies, community-based instruction, and contextual learning in a standards-based framework. Student self-determination and interagency coordination is included.

Offered: Generally offered Fall, Spring, and/or Summer Annually. Level Restriction: Include GR.

EDSE 622 - Directed Studies (1 - 3)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

EDSE 624 - Communication, Sensory, and Social Skills Strategies for Working with Students with Autism (3)

This course provides strategies for assessing and planning for instruction in communication, assistive technology, sensory needs and social skills for students on the autism spectrum including service delivery options, developing and implementing communication skills using evidence-based practices settings.

Level Restriction: Include GR.

EDSE 625 - Applied Behavior Analysis for Teachers (3)

Course content focuses on applied behavior analysis, target behaviors, functional behavior assessment and analysis procedures, recording behavior, interpreting and creating graphic displays, behavioral interventions, reinforcement schedules, self-management, and generalization and maintenance of behavioral change.

Level Restriction: Include GR.

EDSE 626 - Instructional and Behavioral Interventions for Students on the Autism Spectrum (3)

This course will focus on evaluating current instructional and behavioral interventions for children who are on the autism spectrum. Content will also be designed to provide learners with thorough background knowledge about interventions that are effective and ineffective as evidenced by their outcome data.

Level Restriction: Include GR.

EDSE 627 - Philosophical Underpinnings of Applied Behavior Analysis (2)

This course covers the philosophical assumptions underlying the science of ABA, descriptions and explanations of behavior, the experimental analysis of behavior, and professional practice guided by the science of behavior analysis. This course is based upon the BACB® 5th edition Task List.

Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR.

EDSE 631 - Applied Behavior Analysis II (4)

This course covers individual and systematic behavioral interventions, including antecedent interventions, contingency contracting, group contingencies, consequence-based strategies, and token economies.

Prerequisite: SPSY 628 with a minimum grade of C. Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR.

EDSE 632 - Ethics in Applied Behavior Analysis (3)

This course covers professional and ethical compliance for behavior analysis.

Prerequisite: SPSY 628 with a minimum grade of C. Level Restriction: Include GR.

EDSE 633 - Applications of Applied Behavior Analysis (3)

This course addresses applied behavior analysis for individuals across the lifespan, including supervision, academic and cultural considerations, persons with autism and traumatic brain injury, and behavior change systems.

Prerequisite: SPSY 628 with a minimum grade of C. Level Restriction: Include GR.

EDSE 640 - Methods of Teaching Students with Visual Impairment (3)

Curriculum development, adaptations, and teaching methodology for individuals with visual impairments. Modification of general and functional curricular areas. Emphasis on methods of teaching skills and the core curriculum.

Prerequisite: (EDSE 541 with a minimum grade of C or Completion of Appl for Grad Lic Adm to PTEP) and (EDSE 548 with a minimum grade of C). Offered: Generally offered Spring Annually. Level Restriction: Include GR.

EDSE 642 - Advanced Seminar in Education of Students with Visual Impairments (3)

Role and responsibilities of the teacher of students with visual impairments as an educational team member, professionalism, ethics, consultation and collaborative partnerships, and social skill development.

Prerequisite: Completion of Appl for Grad Lic Adm to PTEP. Offered: Generally offered Fall Annually. Major/Minor Restriction: Include Special Education. Type of Restriction For Major/Minor Code: Major(s)/Minor(s). Level Restriction: Include GR.

EDSE 644 - Practicum in Education of Students with Visual Impairments K-12 (6 - 12)

Supervised teaching experience with students with visual disabilities, K-12, planning and implementing lessons, preparing materials, participating in staffing's, IEP/ IFSP development and parent conferences.

Prerequisite: (Completion of Appl for Grad Lic Adm to PTEP) and (EDSE 541 and EDSE 543 and EDSE 546 and EDSE 548 and EDSE 549 and EDSE 640 and EDSE 645 with a minimum grade of C). Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 12 credit hours.

EDSE 645 - Advanced Braille Codes and Formats (3)

Instruction in Nemeth Code (braille math code). Introduction to advanced braille codes, formats and techniques for teaching skills in each code including music, foreign language, chemistry, and computer braille.

Prerequisite: EDSE 543 with a minimum grade of C. Level Restriction: Include GR.

EDSE 647 - Applied Methods in Orientation and Mobility (3)

Weekly seminar explores methods and strategies for teaching independent travel techniques to students with visual and other disabilities. Student provides individualized instruction to visually impaired person with faculty supervision.

Prerequisite: EDSE 546 with a minimum grade of C. Level Restriction: Include GR.

EDSE 648 - Practicum in Orientation and Mobility (3 - 9)

Supervised teaching experience with both blind and low vision individuals in orientation and mobility. Observation of varied programs; e.g., resource room itinerant plan, residential school and rehabilitation settings.

Prerequisite: Completion of Appl for Grad Lic Adm to PTEP. Offered: Generally offered Fall, Spring, and/or Summer - Check with department/school for next offering. Major/Minor Restriction: Include Orientation/Mobility Endors. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 9 credit hours.

EDSE 650 - Issues and Trends: Deaf/Hard of Hearing (3)

Theoretical, practical, and cultural considerations regarding current issues and trends for infants, children and youth who are deaf or hard of hearing and their families.

Offered: Generally offered Spring Annually. Level Restriction: Include GR.

EDSE 651 - Collaboration: Deaf/Hard of Hearing (3)

Integration of theoretical and practical considerations involved in collaborating with families, service providers, and agencies.

Prerequisite: (EDSE 550 with a minimum grade of C or Completion of Appl for Grad Lic Adm to PTEP). Offered: Generally offered Spring Annually. Level Restriction: Include GR.

EDSE 652 - Foundations of Listening and Spoken Language: Deaf/Hard of Hearing (3)

Develop the knowledge and skills to assess and to facilitate listening and spoken language to individuals who are deaf or hard of hearing. Field experience required.

Prerequisite: CSD 370 with a minimum grade of C-. Offered: Generally offered Spring Annually. Level Restriction: Include GR.

EDSE 654 - Language: Deaf/Hard of Hearing (3)

Develop knowledge and skills to assess and facilitate the development of language skills of individuals who are deaf or hard of hearing. Field experience required.

Offered: Generally offered Fall Annually. Level Restriction: Include GR.

EDSE 655 - Literacy: Deaf/Hard of Hearing (3)

Develop knowledge and skills to assess and facilitate the development of literacy in individuals who are deaf or hard of hearing. Field experience required.

Offered: Generally offered Fall Annually. Level Restriction: Include GR.

EDSE 656 - Curriculum and Instruction: Deaf/Hard of Hearing (3)

Develop the knowledge and skills to assess and to teach academic content to individuals who are deaf or hard of hearing. Field experience required.

Prerequisite: Completion of Applic for Full Adm to PTEP. Offered: Generally offered Fall Annually. Level Restriction: Include GR.

EDSE 657 - Practicum: Deaf/Hard of Hearing (3 - 6)

Individual observation and supervised practice in the education of individuals who are deaf or hard of hearing.

Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

EDSE 664 - Diversity in Gifted Education (3)

This course provides students with an understanding of diversity within underserved gifted populations. Topics include learner characteristics and needs, diversity theories and implicit bias, identification, curriculum, programming, and collaboration.

Major/Minor Restriction: Include Special Education (and) Gifted Education Grad Cert (and) Dir Gifted Ed Endorsement (and) Gifted Ed Core Endorsement. Type of Restriction For Major/Minor Code: Major(s)/Minor(s). Level Restriction: Include GR.

EDSE 665 - Advocacy in Gifted Education (3)

This course provides students with the knowledge and skills needed to advocate for gifted learners. Students will demonstrate advocacy related to contemporary issues and trends in gifted education.

Prerequisite: (EDSE 664 and EDSE 683 and EDSE 684 and EDSE 685 and EDSE 686 and EDSE 687 with a minimum grade of C). Major/Minor Restriction: Include Special Education (and) Gifted Education Grad Cert (and) Dir Gifted Ed Endorsement (and) Gifted Ed Core Endorsement. Type of Restriction For Major/Minor Code: Major(s)/Minor(s). Level Restriction: Include GR.

EDSE 667 - Administration and Supervision of Gifted Education (3)

This course reviews problems and strategic opportunities in the administration and supervision of gifted education

programs and services. Emphasis is on trends and issues associated with advocacy, diversity, and collaboration.

Major/Minor Restriction: Include Special Education (and) Gifted Education Grad Cert (and) Dir Gifted Ed Endorsement (and) Gifted Ed Core Endorsement. Type of Restriction For Major/Minor Code: Major(s)/Minor(s). Level Restriction: Include GR.

EDSE 668 - Administrative Planning and Program Evaluation in Gifted (3)

This course reviews problems and strategic opportunities in the administration and supervision of gifted education programs and services. Emphasis is on trends and issues associated with advocacy, diversity, and collaboration.

Major/Minor Restriction: Include Special Education (and) Gifted Education Grad Cert (and) Dir Gifted Ed Endorsement (and) Gifted Ed Core Endorsement. Type of Restriction For Major/Minor Code: Major(s)/Minor(s). Level Restriction: Include GR.

EDSE 669 - Externship in Gifted Education Administration (1 - 12)

The externship is a supervised program of orientation, observation, and participation designed to provide linkages between theory and practice in leadership and management of gifted education.

Major/Minor Restriction: Include Special Education (and) Gifted Education Grad Cert (and) Dir Gifted Ed Endorsement (and) Gifted Ed Core Endorsement. Type of Restriction For Major/Minor Code: Major(s)/Minor(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 12 credit hours.

EDSE 670 - Legal and Policy Foundations of Special Education (3)

This course is designed for school personnel who are impacted by special education law. The course focuses on federal and state special education statutes, regulations, and case law.

Level Restriction: Include GR.

EDSE 672 - Leadership in the School Community (3)

Foundational grounding for prospective teacher leaders to function as highly facilitative special educators who demonstrate leadership necessary to effectively interact with diverse populations including students, teachers, administrators, and parents.

Level Restriction: Include GR.

EDSE 673 - Research and Reflective Practice (3)

The role of inquiry in identifying promising practices is examined. Action research is highlighted, culminating in a work sample in which scientifically based interventions are designed, assessed, and described.

Level Restriction: Include GR.

EDSE 675 - Issues in Special Education Assessment (3)

Provides a comprehensive perspective of assessment development, implementation, interpretation, and implications of results to inform educational practices including the practice of monitoring progress and collaborating with individuals, families and professionals.

Level Restriction: Include GR.

EDSE 676 - Assessment and Interventions for Students with Challenging Behaviors (3)

Designed to provide learners with the knowledge and skills to supervise, coach, assess, and model a continuum of behavior support for teachers, paraprofessionals and other educators in the school, home, and community.

Level Restriction: Include GR.

EDSE 677 - Transition to Adulthood for Youth with Exceptionalities (3)

This course includes in-depth investigation into the provision of transition services and secondary services. Topics include transition focused standards-based IEP development, self-determination, inter-agency coordination, career educational strategies, and content enhancement routines.

Level Restriction: Include GR.

EDSE 678 - Strategies for Students with Autism/Significant Needs (3)

This course provides a historical perspective and an overview of assessment, planning and instructional strategies for working with students on the autism spectrum as well as students with significant support needs in K-12 settings.

Level Restriction: Include GR.

EDSE 679 - Interventions for Students with Cultural and Linguistic Differences (3)

This course critically analyzes issues of equity through a culturally responsive lens as it applies to assessment, interventions, and education of all students including those with diverse backgrounds.

Level Restriction: Include GR.

EDSE 680 - Administration and Supervision of Special Education (3)

Designed to review problems and strategic opportunities in the administration and supervision of special education programs and services. Emphases include leadership and management, organizational planning and change, and strategic thinking.

Level Restriction: Include GR.

EDSE 681 - Administrative Planning and Program Evaluation in Special Education (3)

Prepares individuals to conduct program/service evaluations, organize data for decision-making purposes, understand resource utilization, develop collaborative partnerships, and integrate systems of accountability into other administrative functions.

Level Restriction: Include GR.

EDSE 683 - Nature and Needs of Gifted Learners (3)

Students will become informed advocates through examining theories, definitions, characteristics, and needs of diverse gifted learners, as well as public policy and best practices related to identification, curriculum, and programming.

Major/Minor Restriction: Include Special Education (and) Gifted Education Grad Cert (and) Dir Gifted Ed Endorsement (and) Gifted Ed Core Endorsement. Type of Restriction For Major/Minor Code: Major(s)/Minor(s).
Level Restriction: Include GR.

EDSE 684 - Assessment and Identification in Gifted Education (3)

This course provides students with an in depth understanding of assessment methods. Students will utilize multiple measures to minimize bias and to inform identification and programming for gifted learners.

Prerequisite: (EDSE 664 and EDSE 683 with a minimum grade of C). Major/Minor Restriction: Include Special Education (and) Gifted Education Grad Cert (and) Dir Gifted Ed Endorsement (and) Gifted Ed Core Endorsement. Type of Restriction For Major/Minor Code: Major(s)/Minor(s). Level Restriction: Include GR.

EDSE 685 - Differentiated Curriculum and Instruction for Gifted Learners (3)

This course provides students with competencies needed to design and implement differentiated curriculum and pedagogy for gifted learners. Emphasis is placed on modifying curriculum in response to diverse learner needs.

Prerequisite: EDSE 683 with a minimum grade of C. Major/Minor Restriction: Include Special Education (and) Gifted Education Grad Cert (and) Dir Gifted Ed Endorsement (and) Gifted Ed Core Endorsement. Type of Restriction For Major/Minor Code: Major(s)/Minor(s). Level Restriction: Include GR.

EDSE 686 - Social and Emotional Needs of Gifted Learners (3)

This course provides students with an understanding of the whole gifted child. Emphasis is placed on the unique affective, social, emotional, and cognitive needs of various types of gifted learners.

Major/Minor Restriction: Include Special Education (and) Gifted Education Grad Cert (and) Dir Gifted Ed Endorsement (and) Gifted Ed Core Endorsement. Type of Restriction For Major/Minor Code: Major(s)/Minor(s). Level Restriction: Include GR.

EDSE 687 - Program Strategies and Services for Gifted Learners (3)

This course examines issues and trends related to gifted education programming. Students will evaluate system-wide programming and make informed recommendations for sustainability and improvement based on state and national policies.

Prerequisite: (EDSE 683 and EDSE 684 and EDSE 685 and EDSE 686 with a minimum grade of C). Major/Minor Restriction: Include Special Education (and) Gifted Education Grad Cert (and) Dir Gifted Ed Endorsement (and) Gifted Ed Core Endorsement. Type of Restriction For Major/Minor Code: Major(s)/Minor(s). Level Restriction: Include GR.

EDSE 688 - Communication, Collaboration, and Leadership in Gifted Education (3)

Students will explore effective and ethical communication, collaboration, and leadership models and strategies to support the education of gifted learners. Emphasis is placed on consultation and collaboration with multiple stakeholders.

Prerequisite: (EDSE 664 and EDSE 683 and EDSE 684 and EDSE 685 and EDSE 686 and EDSE 687 with a minimum grade of C). Major/Minor Restriction: Include Special Education (and) Gifted Education Grad Cert (and) Dir Gifted Ed Endorsement (and) Gifted Ed Core Endorsement. Type of Restriction For Major/Minor Code: Major(s)/Minor(s). Level Restriction: Include GR.

EDSE 689 - Creativity in Gifted Education (3)

The focus of this course is the examination of theories of creativity, research in creativity and the teaching of creative thinking skills in the context of gifted education programming.

Level Restriction: Include GR.

EDSE 690 - Action Research and Reflective Practice in Gifted Education (3)

Students will conduct action research on a personally meaningful topic in gifted education. Emphasis will be placed on professional self-reflection and dissemination of findings to relevant stakeholders.

Prerequisite: (EDSE 664 and EDSE 683 and EDSE 684 and EDSE 685 and EDSE 686 and EDSE 687 and SRM 600 with a minimum grade of C). Major/Minor Restriction: Include Special Education (and) Gifted Education Grad Cert (and) Dir Gifted Ed Endorsement (and) Gifted Ed Core Endorsement. Type of Restriction For Major/Minor Code: Major(s)/Minor(s). Level Restriction: Include GR.

EDSE 691 - Practicum in Teaching Gifted Learners (1 - 12)

Emphasize actual teaching and facilitation of learners who are gifted, talented, creative in actual supervised teaching experiences.

Prerequisite: (EDSE 683 and EDSE 685 and EDSE 687 with a minimum grade of C). Major/Minor Restriction: Include Special Education (and) Gifted Education Grad Cert (and) Dir Gifted Ed Endorsement (and) Gifted Ed Core Endorsement. Type of Restriction For Major/Minor Code: Major(s)/Minor(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 12 credit hours. Course Fee: Supervision Fee Required.

EDSE 693 - Practicum in Special Education (3 - 6)

This course includes an overview of transition services, academic strategies, community-based instruction, and contextual learning in a standards-based framework. Student self-determination and interagency coordination is included.

Prerequisite: (EDSE 510 and EDSE 511 and EDSE 512 and EDSE 613 and EDSE 614 and Concurrent Prerequisite EDSE 616 and EDSE 617 and EDSE 618 and EDSE 619 with a minimum grade of C) and (GPA-GR-3.0). Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations. Course Fee: Supervision Fee Required.

EDSE 696 - Practicum in Instructional Coaching (1 - 9)

Supervised program of orientation, observation, and participation in an assigned placement to develop instructional coaching roles and responsibilities. 45 contact hours of supervised professional coaching and related experiences in a local school district or agency setting for each semester hour completed.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 9 credit hours.

EDSE 697 - Externship in Special Education: Administration (1 - 12)

Supervised program of orientation, observation, and participation designed to provide linkages between theory and practice in leadership and management of special education.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 12 credit hours.

EDSE 701 - Introduction to Doctoral Study in Exceptionalities (1)

Develop knowledge, skills, concepts, and attitudes necessary for special and gifted educators to effectively interact with diverse populations. Emphasis on development of individual goals/specific activities within program. S/U graded.

Level Restriction: Include GR.

EDSE 702 - Law of Exceptionalities (3)

Doctoral level course that includes the analysis and interpretation of federal, state, and case law relevant to teaching students with exceptionalities in a variety of educational settings.

Level Restriction: Include GR.

EDSE 718 - Advanced Seminar in Education of Students with Hearing and/or Visual Loss (3)

Investigation of the issues and trends in education of infants, children and youth with hearing and/or visual disabilities: focus on research, curriculum, instructional strategies and other administrative concerns.

Offered: Generally offered Fall, Spring, and/or Summer Annually. Level Restriction: Include GR.

EDSE 721 - Theories of Exceptionality (3)

In-depth study of special education's enrichment by conceptions of the nature of exceptionality, learning and instruction that have and are emerging from biological and sociocultural constructivism, phenomenology and holism.

Level Restriction: Include GR.

EDSE 727 - Seminar in Exceptionalities (3)

Investigates current issues and trends in special and gifted education, with specific focus on policy, research, curriculum, and instructional strategies.

Level Restriction: Include GR.

EDSE 728 - Seminar in Professional Writing (3)

Explores purposes, protocols, and processes for professional writing; critical review of student writing by students and faculty. Focus on research reports, practitioner articles, research reviews, and policy analysis.

Level Restriction: Include GR.

EDSE 730 - Externship in Exceptionalities (1 - 9)

This course should be taken prior to submission of dissertation proposal. The externship requires 180 hours of supervised activities outside of UNC to expand the learner's knowledge base in a setting related to services for students with exceptionalities.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 9 credit hours. Course Fee: Supervision Fee Required.

EDSE 732 - Research in Exceptionalities (3)

Examines research design and methods used in special and gifted education. Emphasis on developing skills necessary to understand the relationship between research strategies and problems in special and gifted education.

Level Restriction: Include GR.

EDSE 733 - Preparing Teachers of Students with Exceptionalities (3)

Gain knowledge and skills to prepare teachers of students with exceptionalities. Content includes course syllabi development, application of research-based practices to course development, and mentoring and evaluating personnel.

Level Restriction: Include GR.

EDSE 744 - Advanced Writing Seminar (3)

The purpose of this seminar is to expose students to different types of academic writing that they may encounter in their professional careers. Major areas that are covered in the course are grant writing and the dissertation writing process.

Offered: Generally offered Fall Annually. Level Restriction: Include GR.

EDSE 745 - Advanced Doctoral Seminar (3)

Designed for third-year students, this course explores contemporary issues in exceptional education and identifies strategies to address, ameliorate, and/or accommodate these issues within the greater context of education and society.

Prerequisite: (EDSE 702 and EDSE 732 with a minimum grade of C). Level Restriction: Include GR.

EDSE 797 - Doctoral Proposal Research (1 - 4)

Explores dissertation research problems, theoretical frameworks, methodology, and data analysis procedures expected to develop an approved dissertation proposal. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 4 credit hours.

EDSE 799 - Doctoral Dissertation (1 - 12)

A student must earn 12 hours of credit for the dissertation as a partial fulfillment of requirements for any doctoral. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

EED - English Education

College of Humanities and Social Sciences

Department of English (p. 88)

EED 502 - Methods of Teaching English Language Arts II: Enacting Pedagogy (3)

Addresses the diverse nature of the 21st century classroom and evolving notions language and literacy and pedagogies designed to meet the needs of contemporary learners.

Special Notes: Consent of instructor required. Offered: Generally offered Fall Annually. Mutually Exclusive Course: Credit allowed for only one of these courses EED 402 and EED 502. Level Restriction: Include GR.

EED 508 - Workshop (1 - 3)

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline.

Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

EED 541 - Methods of Teaching English Language Arts I: Literacy Pedagogies (3)

Explores the underlying principles, theories, and methods associated with the teaching of English language arts in the secondary classroom.

Special Notes: Consent of instructor required. Offered: Generally offered Spring Annually. Mutually Exclusive Course: Credit allowed for only one of these: EED 441 and EED 541. Level Restriction: Include GR.

EED 610 - Interventions in Literacy (3)

This course will help individuals effectively select and implement research-based literacy interventions as they relate to students' strengths and needs at individual student, classroom, and school-wide levels.

Mutually Exclusive Course: Credit allowed only for one of these courses: EED 610 or ENG 610. Level Restriction: Include GR.

EII - Education Innovation Institute**EII 604 - Introduction to Applied Causal Evaluation of Policy and Innovation (1)**

Introduction to the certificate program topics including the meaning of causal evaluation, how it can inform decision-making and continuous improvement processes, and a review of relevant math and statistical tools. S/U graded.

Program Restrictions: Include App Caus Eval Pol Inn-Cert. Level Restriction: Include GR.

EII 606 - Methods in Causal Evaluation (2)

Survey of research methods facilitating causal inference. Includes basic introduction to randomized control trials and quasi-experimental methods that can be used when a randomized control trial is not feasible. S/U graded.

Prerequisite: EII 604 with a minimum grade of C. Program Restrictions: Include App Caus Eval Pol Inn-Cert. Level Restriction: Include GR.

EII 607 - Ethical Data Management and Analysis I (2)

Use theory to drive analytic decisions and demonstrate how to estimate, interpret, and communicate impact of Randomized Control Trial. Emphasis is on using Ordinary Least Squares regression. S/U graded.

Prerequisite: EII 606 with a minimum grade of C. Program Restrictions: Include App Caus Eval Pol Inn-Cert. Level Restriction: Include GR.

EII 608 - Ethical Data Management and Analysis II (2)

Learn to program and interpret results of applied problems using the quasi-experimental techniques learned in EII 606, including propensity score matching, difference-in-differences, and regression discontinuity S/U Graded.

Prerequisite: EII 607 with a minimum grade of C. Program Restrictions: Include App Caus Eval Pol Inn-Cert. Level Restriction: Include GR.

EII 609 - Defining Interventions and Using Logic Models (1)

Students will develop a logic model -a graphical representation that illustrates how the resources and strategies of an intervention are expected to translate into the desired outcomes. S/U graded.

Prerequisite: EII 604 with a minimum grade of C. Program Restrictions: Include App Caus Eval Pol Inn-Cert. Level Restriction: Include GR.

EII 610 - Randomized Control Trials in Schools (2)

Determine strategies for conducting Randomized Control Trials within schools considering timing, context, generalizability, strengths, and barriers. If a local RTC is not plausible, make use of existing research and evaluations to inform decision-making. S/U graded.

Prerequisite: (EII 607 and EII 609 with a minimum grade of C). Program Restrictions: Include App Caus Eval Pol Inn-Cert. Level Restriction: Include GR.

EII 611 - Process Evaluation (1)

Students will apply a practical process to a theory-based framework to plan, implement, and use evaluation to critically examine the implementation of local educational initiatives. S/U graded.

Prerequisite: (EII 606 and EII 609 with a minimum grade of C). Program Restrictions: Include App Caus Eval Pol Inn-Cert. Level Restriction: Include GR.

EII 612 - Data Visualization for Educators (1)

Introduction to design principles and software for developing static and interactive data visualizations. Emphasis is on matching communication and data visualization strategies to target audiences. S/U graded.

Prerequisite: EII 604 with a minimum grade of C. Program Restrictions: Include App Caus Eval Pol Inn-Cert. Level Restriction: Include GR.

EII 613 - Research-Practitioner Partnerships (1)

Framework for developing partnerships among education agencies and research institutions to inform and evaluate policy and innovative practices. Emphasis is on building long-term, sustainable partnerships. S/U graded.

Prerequisite: EII 604 with a minimum grade of C. Program Restrictions: Include App Caus Eval Pol Inn-Cert. Level Restriction: Include GR.

EII 614 - Introduction to Cost Studies (1)

Introduction to identifying and understanding the costs of educational interventions. Overview of how to select the appropriate type of cost study: cost-analysis, cost-effectiveness, or cost-benefit. S/U graded.

Prerequisite: EII 604 with a minimum grade of C. Program Restrictions: Include App Caus Eval Pol Inn-Cert. Level Restriction: Include GR.

EII 615 - Application of Cost Analyses to Decision-Making (2)

A case study approach to identifying costs, calculating cost ratios, and translating the findings into recommendations for decision-making. S/U graded.

Prerequisite: EII 614 with a minimum grade of C. Program Restrictions: Include App Caus Eval Pol Inn-Cert. Level Restriction: Include GR.

ELIT - Literacy Education

College of Education and Behavioral Sciences

School of Teacher Education (p. 85)

ELIT 610 - Literacy Teaching (3)

Study of foundations in literacy learning and teaching as reflected by current and historical trends in research, including theories and practices of teaching, learning and development, assessment, diversity, and literate classroom environments. Examines literacy with traditional print and digital media.

Level Restriction: Include GR.

ELIT 615 - Family & Community Literacy (3)

Students examine the significance of family and community in literacy success, including the role of P-20 educators in interactions among families, communities and schools; relationships among oral language and literacy processes in home, community and school; existing family and community literacy organizations with their practical applications for educators.

Level Restriction: Include GR.

ELIT 621 - New Literacies (3)

This course provides foundations in digital and multimodal literacy practices. Students will gain an understanding of theories, currently practiced integration models, digital citizenship and evaluate digital tools and applications.

Level Restriction: Include GR.

ELIT 622 - Directed Studies (1 - 3)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Offered: Generally offered Fall, Interim, Spring, and/or Summer - Check with department/school for next offering. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

ELIT 623 - Classroom Literacy Research Design (3)

Provides an introduction to educational research and design in classroom literacy. Instruction focuses on qualitative research methods in teacher action research, and on reading and understanding existing quantitative and qualitative research reports.

Level Restriction: Include GR.

ELIT 630 - Children's Literature (3)

Considers collection and evaluation of children's literature texts, and methods of organizing, teaching and evaluating a literature program. Examines issues such as censorship, multicultural literature, style analysis. Examines traditional print and digital formats and sources for texts.

Level Restriction: Include GR.

ELIT 631 - Content Literacy (3)

Examines specific disciplinary literacy practices and authentic and instructional texts relevant to academic disciplines within an elementary setting. Examines both traditional print and digital formats for disciplinary texts within academic contexts.

Level Restriction: Include GR.

ELIT 632 - Teaching Writing (3)

Assist classroom teachers with children's writing processes. Emphasis on: writing process; encouragement of process development; children's growth in writing process; and recording, assessing, and reporting student progress. Examine applications of both traditional print and digital tools in writing processes.

Level Restriction: Include GR.

ELIT 670 - Directing a School-Wide Literacy Program (3)

Seminar course intended to prepare reading teachers, specialists, coordinators, and administrators for directing textbook adoption, curriculum development and issues, staff development, evaluation, and supervision of reading/writing programs.

Level Restriction: Include GR.

ELIT 671 - Practical Literacy Assessment (3)

Select and apply literacy assessments and interpret results for instruction. Apply understanding of the educationally disabled reader or writer. Explore appropriate diagnostic and instructional strategies. Required tutoring experiences.

Prerequisite: ELIT 610 with a minimum grade of C. Level Restriction: Include GR.

ELIT 672 - Literacy Leadership (3)

Application of literacy leadership in collegial communication, reflective goal-setting for professional development, and literacy leadership. Examination of current and historical literacy policies and their impact on best practices in literacy teaching. Application of leadership principles in evaluating and directing curriculum decisions and program adoption.

Prerequisite: ELIT 610 with a minimum grade of C. Level Restriction: Include GR.

ELIT 692 - Supervised Practicum in Literacy Coaching (4)

Supervised clinical instruction of elementary, middle, secondary school disabled readers. Continued professional development, especially in the areas of collegial communications, reflective coaching, and leadership capacity. May be completed at each level.

Level Restriction: Include GR.

ELIT 693 - Capstone Literacy Seminar Implementing Research (3)

Implementation of literacy research, including synthesis and assimilation of information gleaned from all courses in the Master of Arts in Reading Program, in the form of original action research. Student-selected topics from major trends in literacy education. Register in final semester of coursework for MA in Literacy program. S/U graded.

Prerequisite: ELIT 623 with a minimum grade of C. Level Restriction: Include GR. Repeatable Status: Course may be repeated 1 time.

ELPS - Educational Leadership and Policy Studies

College of Education and Behavioral Sciences

Department of Leadership, Policy and Development:
Higher Education and P-12 Education (p. 83)

ELPS 513 - Professional Renewal (1 - 3)

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than the acquisition of general discipline knowledge or methodologies. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

ELPS 550 - Educational Leadership Group Coaching (1 - 3)

For practicing administrators, this course enables participants to engage in problem solving and skill development through a coaching model. Participants focus on leadership issues associated with their current position such tasks as the management of educational change, systems analysis, information systems, human resource development, resource planning, and /or operations in educational agencies. Participants in this course will meet with a coach and other administrators in a small group setting.

Prerequisite: Must hold a principal or administrator license and related position or be in the process of obtaining such a license while holding a principal or administrator position..
Offered: Offered in fall, spring, and/or summer semesters.
Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitation of credits.

ELPS 560 - Educational Leadership Individual Coaching (1 - 3)

For practicing administrators, this course enables participants to engage in problem solving and skill development through a coaching model. Participants focus on leadership issues associated with their current position such tasks as the management of educational change, systems analysis, information systems, human resource development, resource planning, and /or operations in educational agencies. This course is for participants who want one-to-one administrative coaching.

Prerequisite: Must hold a principal or administrator license and related position or be in the process of obtaining such a license while holding a principal or administrator position..
Offered: Generally offered in fall, spring, and/or summer annually. Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitation of credits..

ELPS 601 - Leadership Development Through Inquiry (3)

Experiences help students understand the nature of leadership and the importance inquiry plays in creating, using, and acquiring knowledge.

Level Restriction: Include GR.

ELPS 603 - Shaping Organizations: Management and Leadership in Education (3)

Introduces students to qualities of effective leadership and management; organizational skill development; organizational behavior; and change in organizations.

Level Restriction: Include GR.

ELPS 604 - Understanding People: Professional Development and Educational Leadership (3)

The fundamentals of working with people in educational organizations is reviewed. Emphasis is on adult learning, communications and working in teams, and personnel issues.

Level Restriction: Include GR.

ELPS 605 - External Environments: Social, Political, and Economic Influences in Educational Leadership (3)

External influences on policies, curriculum and operations, including demographics, diversity, governance, partnerships, integrated service delivery for children and families, sources of revenue, budgeting and accountability.

Level Restriction: Include GR.

ELPS 606 - Internship in Educational Leadership (1 - 9)

Involves part-or full-time leadership assignments in educational organizations. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

ELPS 608 - Issues in Educational Leadership: Implications for Practice (3)

Multiple perspectives will be used to review and analyze critical past issues and current educational dilemmas. Focus on solution strategies and their impact on practice.

Level Restriction: Include GR.

ELPS 622 - Directed Studies (1 - 3)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

ELPS 650 - School Finance and Budgeting (3)

Examines economics and politics of education, revenues for school systems, principles of taxation, conflicts between equality and efficient goals and local state and federal policies for education.

Level Restriction: Include GR.

ELPS 654 - Instructional Leadership and Supervision (3)

Examine the school leader's role supervising the teaching and learning process. Focus on curriculum development, instructional improvement, and developing capacity of others to become curricular and instructional leaders.

Level Restriction: Include GR.

ELPS 660 - Law and the Administrator (3)

Relate statutory provisions, court decisions, common law principles and constitutional requirements to legal problems affecting organization and administration of public and private school systems.

Level Restriction: Include GR.

ELPS 665 - Policy Analysis and Development (3)

Study standard techniques for analyzing, evaluating and developing policies for educational systems and organizations, with special attention to contemporary policy issues.

Level Restriction: Include GR.

ELPS 666 - Planning and Change in Education (3)

Understand planning and change theories; strategic planning development; particular emphasis on restructuring educational environments.

Level Restriction: Include GR.

ELPS 667 - Leadership at the District Level (3)

Study the leadership responsibilities of school district administrators, with special emphasis on the knowledge, skills, and values needed by effective superintendents.

Level Restriction: Include GR.

ELPS 670 - The Principalsip: Leadership at the School Site Level (3)

Examine leadership and management issues of building principals, instructional leadership and problems facing principals at the site level.

Level Restriction: Include GR.

ELPS 695 - Practicum in Educational Leadership (1 - 3)

Enables students to engage in a particular task/activity in educational leadership in one or more field site. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

ELPS 751 - Doctoral Core I (6)

Team-taught seminar focusing on teambuilding and group processing, inquiry and reflective practice, and moral and

ethical dimensions of leadership. Extensive attention given to developing scholarly writing skills.

Level Restriction: Include GR.

ELPS 752 - Doctoral Core II (6)

Continued doctoral study in educational leadership and policy. Team-taught seminar exploring the nature of organizations, leadership and policy through readings, group discussions, and a collaborative research project.

Prerequisite: ELPS 751 with a minimum grade of C. Level Restriction: Include GR.

ELPS 754 - Research in Educational Leadership (3)

Classic and contemporary published quantitative and qualitative studies on organizations, leadership and policy studies are used to analyze research strategies and tactics.

Prerequisite: (ELPS 751 and ELPS 752 and SRM 602 with a minimum grade of C). Level Restriction: Include GR.

ELPS 797 - Doctoral Proposal Research (1 - 4)

To enable advanced doctoral students to learn the essential elements of effective research proposals and to develop analytic skills needed to critique other research. S/U graded.

Prerequisite: (ELPS 751 and ELPS 752 with a minimum grade of C). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 4 credit hours.

ELPS 799 - Doctoral Dissertation in Educational Leadership and Policy Studies (1 - 12)

Complete research of a major problem in educational leadership and policy. Must earn total of 12 hours of credit. S/U graded.

Prerequisite: ELPS 797 with a minimum grade of S. Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

ENG - English

College of Humanities and Social Sciences

Department of English (p. 88)

ENG 500 - Introduction to Graduate Study (3)

An orientation to graduate study in general and the nature and methods of research in particular. Should be taken during the first semester of graduate work.

Class Restriction: Exclude Freshman and Sophomore.

ENG 508 - Workshop (1 - 3)

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

ENG 515 - Using Literature to Address Social and Emotional Learning (3)

This course examines approaches to addressing social and emotional learning and its competencies through literature.

Offered: Generally offered Fall, Spring, and/or Summer - Check with department/school for next offering. Class Restriction: Exclude Freshman and Sophomore and Junior.

ENG 522 - Directed Studies (1 - 3)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Prerequisite: ENG 500 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

ENG 523 - Advanced Studies in the Teaching of Writing (3)

Advanced study of teaching and learning, integrating theory and practice for teachers of writing.

Class Restriction: Exclude Freshman and Sophomore.

ENG 525 - Studies in the Moving Image (3)

Introduction to film analysis and film theory. Students will have the opportunity to learn core skills in film analysis and interpretation and engage with ongoing conversations in film theory.

Class Restriction: Exclude Freshman and Sophomore.

ENG 530 - Advanced Studies in World Literature (3)

An investigation of a theme, form or problem that cuts across periods and nationalities.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

ENG 536 - Teaching Immigrant Literature (3)

Course will expand on undergraduate literary and critical training to examine four theoretically informed approaches to teaching US Immigrant literature.

Class Restriction: Exclude Freshman and Sophomore.

ENG 538 - Literary Criticism and Theory (3)

Historical survey of different theoretical approaches to literary and cultural criticism and pedagogy, including classical, renaissance, and eighteenth-century movements. Emphasis on twentieth-century schools.

Prerequisite: ENG 500 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

ENG 540 - Introduction to Composition and Rhetoric (3)

This course offers an introduction to the discipline of rhetoric and composition, emphasizing disciplinary identity and evolution, as well as theoretical perspectives on discourse, rhetoric, and writing pedagogy.

Class Restriction: Exclude Freshman and Sophomore and Junior.

ENG 541 - Colloquium in Literature (3)

Graduate-level focus on a critical and/or literary problem, discourse, theme, genre or individual author.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

ENG 547 - Visual Rhetoric and Multimodal Literacies (3)

This course familiarizes students with a range of 21st century digital composing tools and methods of assessing multimodal projects.

Class Restriction: Exclude Freshman and Sophomore.

ENG 561 - Genre Study: Poetry (3)

This course prepares students with tools and methods to read and teach works of poetry.

Class Restriction: Exclude Freshman and Sophomore.

ENG 562 - Genre Study: Fiction (3)

This course prepares students with tools and methods to read and teach works of fiction.

Class Restriction: Exclude Freshman and Sophomore.

ENG 563 - Genre Study: Drama (3)

This course prepares students with tools and methods to read and teach dramatic literature.

Class Restriction: Exclude Freshman and Sophomore.

ENG 570 - Advanced Studies in American Literature (3)

This course offers in-depth study of literature from a particular literary period and its movements. Works chosen suit the variable title of the course and represent writers from or based in the United States of America.

Class Restriction: Exclude Freshman and Sophomore and Junior. Course Attribute: Variable Title Course.
Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

ENG 580 - Advanced Studies in British Literature (3)

This course offers in-depth study of literature from a particular literary period and its movements. Works chosen suit the variable title of the course and represent writers from the British Isles and/or from former colonies.

Class Restriction: Exclude Freshman and Sophomore and Junior. Course Attribute: Variable Title Course.
Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

ENG 593 - The Rocky Mountain Writing Project (6)

Teachers teaching teachers about writing to extend their knowledge in theory and practice and to prepare them as writing consultants. Open to K-12 teachers in all disciplines. S/U graded.

Class Restriction: Exclude Freshman and Sophomore.
Repeatable Status: Course is repeatable with a maximum of 12 credit hours.

ENG 594 - Practicum in the Teaching of College Composition (3)

Train new teaching assistants in School of English to teach college level composition to UNC students.

Class Restriction: Exclude Freshman and Sophomore.

ENG 601 - Advanced Research Methods (3)

Advanced study and application of research methods and approaches for literary study including, but not limited to, Archival Research, Distant Reading, New Historicism, Reception Studies, Feminist/Queer Recuperation and Recovery, and Textual Analysis.

Prerequisite: ENG 500 with a minimum grade of C. Level Restriction: Include GR.

ENG 602 - Introduction to Graduate Study: Issues, Trends and Topics in English Content and Pedagogy (3)

This course examines current and emerging issues and trends in the English studies including composition, literature, and pedagogy with and emphasis

on assessment and the inclusion of diverse learners in American schools.

Offered: Generally offered Fall, Spring, and/or Summer - Check with department/school for next offering. Level Restriction: Include GR.

ENG 610 - Interventions in Literacy (3)

This course will help individuals effectively select and implement research-based literacy interventions as they relate to students' strengths and needs at individual student, classroom, and school-wide levels.

Offered: Generally offered Fall, Spring, and/or Summer - Check with department/school for next offering. Mutually Exclusive Course: Credit allowed only for one of these courses: ENG 610 or EED 610. Level Restriction: Include GR.

ENG 620 - Teaching as Inquiry: Teacher Action Research in the English Classroom (3)

This course provides an overview of educational research with an emphasis on literacy in secondary and post-secondary settings and guides teachers to develop systematic inquiries into effective teaching and learning. Participants will learn about methods for conducting teacher action research through analysis and application of classroom-based research.

Prerequisite: ENG 602 with a minimum grade of B.
Offered: Generally offered Fall, Spring, and/or Summer - Check with department/school for next offering. Level Restriction: Include GR.

ENG 622 - Directed Studies (1 - 3)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

ENG 623 - Old English (3)

Students will study the language and literature of Anglo-Saxon England, translating important historical and literary documents in prose and poetry, including works by Alfred, Aelfric, and others.

Level Restriction: Include GR.

ENG 626 - Studies in the Restoration and Eighteenth Century (3)

Representative poetry, prose, and/or drama in England from 1660-1789, including such writers as Dryden, Behn, Astel, Finch, Pope, Swift, Defoe, Fielding, Boswell, Johnson, Gray, Equiano, Barbauld, Wycherley, and Congreve.

Level Restriction: Include GR.

ENG 628 - Studies in the Victorian Period (3)

British literature from 1832-1900, with primary focus on prose fiction, nonfiction, and poetry. emphasis on the intellectual currents of the period as reflected in the literature of the age.

Level Restriction: Include GR.

ENG 629 - 20th Century British Literature (3)

Studies in British literature of the twentieth century, with primary focus on diction, poetry, and non-fiction prose. Emphasis on cultural and intellectual influences on the literature of the era.

Level Restriction: Include GR.

ENG 632 - American Literature WW1 to Present (3)

Studies in American literature 1914 to the present, with primary focus on fiction, poetry, and non-fiction prose. Emphasis on cultural and intellectual influences on the literature of the era.

Level Restriction: Include GR.

ENG 633 - Studies in Linguistics (3)

Seminars in various topics ranging from the evolution of English from its beginnings to dialectology, semantics, stylistics and psycholinguistics.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with a maximum of 9 credit hours.

ENG 634 - Studies in World Literature (3)

Seminars in writers or works in translation to illustrate generic, thematic, national, or cultural approaches to world literature.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with a maximum of 9 credit hours.

ENG 639 - Graduate Seminar in Literature (3)

Graduate seminars in various topics (e.g., the tragic hero, alienation, the experimental novel) related in form and/or idea and drawn from American, British or World literature in translation.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 9 credit hours.

ENG 640 - History and Theory of Rhetoric (3)

Readings in selected rhetoricians, including Plato, Aristotle, Augustine, Erasmus, Ramus, Bacon, Montaigne, Campbell, Blair, Bakhtin, Richards, Gates, Cixous, Kristeva.

Level Restriction: Include GR.

ENG 641 - Studies in Composition Research and Pedagogy (3)

Reading in composition theory and pedagogy, including expressivist, cognitive, historical, rhetorical, social epistemic, discourse, and cultural studies.

Level Restriction: Include GR.

ENG 642 - Film Theory and Analysis (3)

This seminar explores major debates and developments in film theory from the 1920s to recent decades. Theories are illustrated with the technical and aesthetic analysis of specific films.

Level Restriction: Include GR.

ENG 650 - Advanced Editing (3)

This course will focus on the knowledge, skills and practice needed to enter the editing profession.

Level Restriction: Include GR.

ENG 651 - Professional Writing in the Non-Profit Sector (3)

This course explores professional writing theories and puts them to use in a community engagement project. Students will work with a non-profit organization to develop a grant package, build a social media presence, and design/compose various public-facing deliverables.

Level Restriction: Include GR.

ENG 652 - Advanced Studies in Digital Humanities (3)

This course introduces students to both theory and technological tools prevalent in the digital humanities. While the specific theoretical foundations, technologies, and projects will vary based on instructor expertise, students can expect to work with video production, textual annotation/qualitative data analysis, web design and coding, and/or e-editing tools and/or technologies.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

ENG 653 - Writing Center Administration (3)

This course offers extensive theory and historical background on as well as typical practice in directing a writing center.

Level Restriction: Include GR.

ENG 697 - MA or Creative Project (3 - 6)

Select MA project, a journal-appropriate research paper, or creative project (collection of poems, short stories, or novel chapters). Proposal approval by advisor and public presentation (faculty/students) required.

Prerequisite: ENG 601 with a minimum grade of C.
Offered: Generally offered Fall, Spring, and/or Summer Annually. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 12 credit hours.

ENST - Environmental Studies

College of Humanities and Social Sciences

Department of Geography, GIS, and Sustainability (p. 88)

ENST 508 - Workshop (1 - 3)

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

ENST 511 - Adaptive Management for Natural Resources (3)

Provides students with the skills and knowledge to design and implement effective adaptive management of conservation projects and to generate clear evidence of their progress toward achieving conservation results. This course applies the Open Standards for Conservation, a common structure in many conservation organizations.

Offered: Generally offered Fall Annually. Class Restriction: Exclude Freshman and Sophomore and Junior.

ENST 513 - Professional Renewal (1 - 3)

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than the acquisition of general discipline knowledge or methodologies. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

ENST 595 - Special Topics in Environmental Studies/Sustainability (1 - 3)

Study for undergraduate and graduate students in various topics of sustainability.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 9 credit hours.

ESCI - Earth Science

College of Natural and Health Sciences

Department of Earth and Atmospheric Sciences (p. 93)

ESCI 561 - Using Controversial Topics to Teach Nature of Science (3)

Explores use of scientific "controversies" as a teaching strategy to understand the nature of science. Empirical evidences supporting major scientific concepts are integrated with pedagogical strategies.

Offered: Generally offered Fall and/or Spring Odd Years.
Mutually Exclusive Course: Credit allowed for only one of these courses: ESCI 561 and BIO 579 and SCED 561.
Class Restriction: Exclude Freshman and Sophomore.

ESCI 562 - Conservation Biology (3)

Examination of the fundamental principles of conservation biology (biodiversity, habitat degradation, extinction, restoration, planning) with discussion of current topics (climate change, conservation genetics, landscape vs. ecosystem conservation, sustainable development).

Offered: Generally offered Spring Odd Years. Mutually Exclusive Course: Credit allowed for only one of these courses: ESCI 562 and BIO 562. Class Restriction: Exclude Freshman and Sophomore.

ESCI 572 - Industrial Safety (3)

Industrial safety covers the theory of historical occupational hazards, current safety issues, agencies that regulate workplace hazards, accident causation and prevention, and training needed for the workplace.

Class Restriction: Exclude Freshman and Sophomore.
Course Fee: Course Fee Required.

ESCI 574 - Principles of Surface and Groundwater Hydrology (4)

(3 lecture, 3 laboratory) Students will quantify and model the movement of water within the hydrologic and geologic cycles, including surface and groundwater hydrologic processes. The course will consist of lectures, laboratories, field projects, and presentations. Two field trips are required.

Prerequisite: Concurrent Prerequisite MATH 131 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore. Course Fee: Participation Fee Required.

ESCI 575 - Earth Systems Science Education (1 - 6)

A variable content course covering integrated science content and pedagogy from the following: atmosphere (air), biosphere (life), hydrosphere (water), and/or lithosphere (land/rock).

Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

ESCI 578 - K-12 Science Inquiry (3)

Students will explore and define the elements of inquiry in P-16 science education from the perspective of teaching with inquiry, ability to do inquiry, and as part of science content.

Offered: Generally offered Interim Annually. Mutually Exclusive Course: Credit allowed for only one of these courses: ESCI 578 and BIO 575 and SCED 578. Class Restriction: Exclude Freshman and Sophomore.

ESCI 581 - Earth Systems: Water (3)

An online course focusing on Colorado water resources and environmental issues in an Earth Systems context. Applications to societal issues and inquiry learning are emphasized.

Offered: Generally offered Fall and/or Spring Even Years. Mutually Exclusive Course: Credit only allowed for one of these courses: ESCI 581 and SCED 581 and BIO 577. Class Restriction: Exclude Freshman and Sophomore.

ESCI 584 - Earth Sciences Field Experiences (1 - 15)

Field studies in astronomy, geology, meteorology and/or oceanography, usually preceded by on campus orientation. Schedule of classes lists specific area and topic to be investigated when course is offered.

Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

ESCI 591 - Geoscience Field Issues (1 - 6)

Analysis and investigation of contemporary issues and development of research skills in the field of earth

sciences, atmospheric sciences, environmental sciences, or geosciences. The course may include extensive field work.

Class Restriction: Exclude Freshman and Sophomore. Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Supervision Fee Required.

ESCI 596 - Earth Science Study Abroad (1 - 6)

Exploration of contemporary issues associated with natural hazards, resources and environmental change impacting society, culture, and diverse ecosystems at international sites. Research skill development in geology, meteorology, and environmental sciences.

Class Restriction: Exclude Freshman and Sophomore. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

ESCI 599 - Seminar in Earth Sciences (1)

Invited speakers, including graduate students, faculty and guests, present current earth science research topics in seminar format. Required of graduate students all semesters they are in residence at UNC. S/U graded.

Class Restriction: Exclude Freshman and Sophomore. Repeatable Status: Course is repeatable with no limitations.

ESCI 600 - Introduction to Earth Science Research (2)

Nature and methods of research in the earth sciences. Development of research proposal that will provide the basis for thesis or graduate research project. Required of all first year Earth Sciences graduate students.

Level Restriction: Include GR.

ESCI 605 - Global Change (3)

An online, problem-based course in which students conduct data analysis on climate variability, modeling, and Earth system impacts and apply results to societal issues.

Offered: Generally offered Spring Even Years. Mutually Exclusive Course: Credit allowed for only one of these courses: BIO 605 and ESCI 605 and SCED 605. Level Restriction: Include GR.

ESCI 692 - Earth Science Internship (1 - 15)

Internship in a public agency or private firm to provide professional experience under the supervision of an area specialist. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 15 credit hours.

ESCI 695 - Special Topics in Earth Sciences (2)

Faculty and students select an earth sciences topic for intensive study beyond the scope of existing departmental course offerings.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

ESCI 697 - Graduate Research (1 - 6)

Qualified graduate students select and research a problem and present professional quality written report.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

ESCI 699 - Thesis (1 - 6)

Intensive study of selected earth sciences topic under the direction of student's graduate studies committee. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

ET - Educational Technology

College of Education and Behavioral Sciences

School of Teacher Education (p. 85)

ET 501 - Introduction to Applications of Educational Technology in PK-12 Education (3)

An application of technology tools in teaching practices to promote technology integration that is seamless and adds significant value to student learning of K-12 curriculum. An investigation of theoretical and practical issues and methods.

Offered: Generally offered Fall - Check with department/school for next offering. Class Restriction: Exclude Freshman and Sophomore.

ET 523 - Innovative Pedagogy and Assessment (3)

Explore paradigms establishing educational innovations that challenge traditional norms in pedagogical and assessment practices. Investigate theories and practice of creativity and change in the processes of innovating teaching and learning.

Offered: Generally offered Spring Annually. Level Restriction: Include GR.

ET 525 - Learners and Curriculum in the Digital Age (3)

Examine, critically assess and develop curriculum that aims to build students' creativity, collaboration, critical thinking, and communication skills to prepare them for an increasingly complex, demanding, and competitive workplace.

Offered: Generally offered Fall - Check with department/school for next offering. Level Restriction: Include GR.

ET 527 - Social Justice in the Digital Age (3)

Explore social justice concepts, issues and reforms particularly associated with digital/global contexts. Develop necessary analytical tools and knowledge to assess inequity and injustice in ever-changing global communities.

Offered: Generally offered Fall - Check with department/school for next offering. Level Restriction: Include GR.

ET 529 - Instructional Design (3)

The purpose of this course is to discover the creative process that uses instructional design frameworks (analysis, design, development, implementation, and evaluation) to create effective, efficient, and appealing instruction.

Offered: Generally offered Spring - Check with department/school for next offering. Level Restriction: Include GR.

ET 622 - Directed Study (1 - 3)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

ET 630 - Trends and Issues in Instructional Design and Technology (3)

The purpose of this course is to provide an overview of the field of instructional design and technology and its impact on education and training. Current trends and issues in the application of instructional design and technology will be explored.

Offered: Generally offered Spring - Check with department/school for next offering. Level Restriction: Include GR.

ET 631 - Distance Education (3)

The purpose of this course is to provide an overview of distance education foundations (design and development), application and implementation (interactivity and interactions), and management issues (policy and evaluation).

Offered: Generally offered Fall - Check with department/school for next offering. Level Restriction: Include GR.

ET 635 - Instructional Materials Development for Online Learning (3)

Investigate research and best practices related to the development of instructional activities and materials for online instruction. Develop materials to work within a learning management system environment.

Offered: Generally offered Spring - Check with department/school for next offering. Level Restriction: Include GR.

ET 640 - Applications of Multiliteracies (3)

Explore theoretical perspectives of the changing ways society communicates in digital and live contexts. Create and apply multimodal communication in our evolving social contexts.

Offered: Generally offered Spring - Check with department/school for next offering. Level Restriction: Include GR.

ET 641 - Designing, Playing, and Learning (3)

Explore opportunities for creating, designing, tinkering and making in learning contexts. Develop an understanding of theory and practice for creating environments for learners to design using available resources and modes.

Offered: Generally offered Spring and/or Summer - Check with department/school for next offering. Level Restriction: Include GR.

ET 643 - Innovative Instructional Formats (3)

Investigate options for implementing alternative methodologies in the classroom. This course will explore Flipped Learning/Flipped Classrooms, Gamification, Blended Learning, BYOD, 1:1 environments and other emerging instructional strategies.

Offered: Generally offered Fall - Check with department/school for next offering. Level Restriction: Include GR.

ET 645 - Children's Engineering and STEM (3)

Develop foundational knowledge about trans-disciplinary approaches to learning where rigorous academic concepts are coupled with real-world problem-based and performance-based lessons. Engage in and develop integrated STEM learning activities across disciplines.

Offered: Generally offered Spring - Check with department/school for next offering. Level Restriction: Include GR.

ET 675 - Innovating Education Culture: Research and Practice (3)

Explore innovative practices in learning and explore processes for transforming ideas into practical applications. Critically consider how social contexts share educational experiences through reviewing research and practices.

Offered: Generally offered Fall - Check with department/school for next offering. Level Restriction: Include GR.

ET 692 - Internship (3)

Individual field experience in educational technology. Field experience and summative report format must be approved by advisor. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

ET 693 - Practicum (1 - 3)

Supervised professional activity requiring a minimum of 10 hours per week. Develop project, product or technological device unique to the field. An approved end of semester project report is required. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

ET 695 - Special Topics in Educational Technology (1 - 3)

Scheduled on irregular basis. Explore special topics in Educational Technology. An appropriate subtitle will explain each course.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

ET 700 - Methods of Research in Instructional Design and Educational Technology I (3)

Investigate research methodologies for the fields of instructional design and educational technology including theoretical and practical approaches. Explore current research problems and directions for future research.

Offered: Generally offered Fall - Check with department/school for next offering. Level Restriction: Include GR.

ET 701 - Methods of Research in Instructional Design and Educational Technology II (3)

Extends content of ET 700. Investigate research methodologies for fields of instructional design and educational technology including theoretical and practical approaches. Explore current research problems and directions for future research.

Offered: Generally offered Spring - Check with department/school for next offering. Level Restriction: Include GR.

ET 720 - Doctoral Seminar (3)

Orients students to doctoral program by exploring topics related to research, teaching in higher education, and professional engagement. Engage in readings and discussions and field related projects.

Offered: Generally offered Fall - Check with department/school for next offering. Level Restriction: Include GR.

ET 721 - Learning Theories and Technology Integration (3)

Review established learning theory, adult learning theory, educational identity, and philosophy; investigate theoretical substructures in technology-rich teaching and learning and explore their impact on educational change.

Offered: Generally offered Spring - Check with department/school for next offering. Level Restriction: Include GR.

ET 723 - Global & Cultural Perspectives in Educational Technology (3)

Explore implementations and implications of educational technology in a global context. Examine promises and challenges of technology integration in both developed and developing countries as impacted by different socioeconomic contexts.

Offered: Generally offered Spring - Check with department/school for next offering. Level Restriction: Include GR.

ET 725 - Critical Theory and Research in Educational Technology (3)

Establish foundational knowledge about critical theory; examine key texts, issues, and methodologies within critical educational research from cultural studies, action research, critical ethnography, narrative inquiry, critical pedagogy, and feminist research.

Offered: Generally offered Fall - Check with department/school for next offering. Level Restriction: Include GR.

ET 731 - Advanced Instructional Design Theory, Research and Practice (3)

Investigate various theoretical positions recognized as instrumental in shaping instructional design practice. Explore underlying philosophical positions that contribute to the application of these theories in a variety of design settings.

Offered: Generally offered Spring - Check with department/school for next offering. Level Restriction: Include GR.

ET 733 - Case Studies in Instructional Design and Performance Technology (3)

Establish foundational knowledge about human performance technology. Examine instructional uses of case studies for analysis, design, and evaluation of performance and educational environments.

Offered: Generally offered Fall - Check with department/school for next offering. Level Restriction: Include GR.

ET 740 - Innovations in Technology and Education (3)

Explore what it means to be innovative. Critically examine trends and issues in educational technology as well the processes that enabled them. Study emerging and open source technology applications.

Offered: Generally offered Fall - Check with department/school for next offering. Level Restriction: Include GR.

ET 745 - Multimodal Composing (3)

Compose and communicate in all forms, media, modes, and genres. Employ rhetorical strategies from placement of texts to consideration of audience to the media used to write and present meaning.

Offered: Generally offered Spring - Check with department/school for next offering. Level Restriction: Include GR.

ET 749 - Gaming and Application Design (3)

Design and develop computer-based games and mobile applications for educational contexts. Explore various design tools and examine research and implementation issues related to gaming in various educational settings.

Offered: Generally offered Fall - Check with department/school for next offering. Level Restriction: Include GR.

ET 797 - Doctoral Proposal Seminar (1 - 4)

Selection of an appropriate research topic in the field of instructional design and technology. Summarize related literature, identify a researchable problem within that topic, and develop appropriate methodology. Develop an approved research proposal. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 4 credit hours.

ET 799 - Doctoral Dissertation (1 - 12)

After receiving approval for the proposal, the doctoral candidate must register for dissertation hours while conducting the research and writing the final report in the form of a dissertation. Doctoral candidates must earn 12 hours of dissertation credit towards the doctoral degree.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

FL - Foreign Language

College of Humanities and Social Sciences

Department of World Languages and Cultures (p. 89)

FL 622 - Directed Studies (1 - 4)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

FND - Food Nutrition Dietetics

College of Natural and Health Sciences

Department Kinesiology, Nutrition, and Dietetics (p. 94)

FND 508 - Workshop (1 - 3)

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline.

Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

FND 510 - Foodservice Management (2)

Intensive review course for students beginning their dietetic internship. Overview of relevant issues and critical problems concerning all levels of systems management and dietetic foodservice administration. S/U graded.

Class Restriction: Exclude Freshman and Sophomore.

FND 512 - Medical Nutrition Therapy Skills (2)

An overview with case practice of medical nutrition therapy for dietetic interns. Several topics are covered with an emphasis on clinical skills. S/U graded.

Class Restriction: Exclude Freshman and Sophomore.

FND 513 - Professional Renewal (1 - 3)

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than the acquisition of general discipline knowledge or methodologies. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

FND 520 - Maternal and Child Nutrition (3)

Credit for both FND 420 and FND 520 is not allowed. Developmental stages, nutrient requirements, appropriate diet and eating behaviors for children from conception through school age. Nutrition related conditions of children and nutrition for the pregnant and lactating woman.

Level Restriction: Include GR.

FND 530 - Nutrition Assessment and Intervention Methods (3)

Course covers critical analysis of nutrition assessment methods involving clinical judgment for their application as well as study of physiological bases for medical nutrition therapy (MNT) and MNT development.

Major/Minor Restriction: Include Dietetics (and) Dietetics with Internship. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

FND 551 - Nutritional Biochemistry and Metabolism - Macronutrients (3)

Focuses on macronutrient metabolism and the biochemical molecules and metabolic pathways that are essential for nutritional homeostasis.

Major/Minor Restriction: Include Dietetics (and) Dietetics with Internship. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

FND 553 - Nutritional Biochemistry and Metabolism - Micronutrients (3)

Investigation of the biochemical and clinical aspects of micronutrient metabolism. Vitamins, minerals and selected phytonutrients will be explored. Topical controversies regarding supplementation, optimal intake and status indicators will be examined.

Prerequisite: (FND 530 and FND 551 with a minimum grade of C). Major/Minor Restriction: Include Dietetics (and) Dietetics with Internship. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

FND 555 - Nutrition for Fitness and Athletic Performance (3)

Credit for both FND 455 and FND 555 is not allowed. The study of nutrition principles as they apply to the promotion of optimal physical fitness and athletic performance. Current research and evaluation of nutritional recommendations will be stressed.

Class Restriction: Exclude Freshman and Sophomore.

FND 570 - Nutrition Counseling Methods (3)

The application of behavioral change theories in nutrition counseling. First person reflection using evidenced based research in working with the behavior modification process through self-directed behavior techniques.

Major/Minor Restriction: Include Dietetics (and) Dietetics with Internship. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

FND 592 - Dietetics Supervised Practice (1 - 10)

Field experience in supervised practice sites within clinical, community, food service management, and specialized concentrations. S/U graded.

Prerequisite: (FND 510 and FND 512 with a minimum grade of S) or (FND 530 with a minimum grade of C). Major/Minor Restriction: Include Dietetics (and) Dietetics with Internship (and) Dietetics Internship. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 20 credit hours.

FND 610 - Nutrition Communication (3)

Provide students with effective oral and written communication skills in order to provide science-based nutrition information to various audiences.

Prerequisite: (FND 570 with a minimum grade of C) and (RCS 610 or SRM 600 with a minimum grade of C). Major/Minor Restriction: Include Dietetics (and) Dietetics with Internship (and) Dietetics. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

FND 620 - Current Topics in Nutrition and Dietetics (3)

Analyze, critique, and communicate current topics in nutrition. Compare and contrast headline news to evidence based research.

Prerequisite: (RCS 610 or SRM 600 with a minimum grade of C). Major/Minor Restriction: Include Dietetics (and) Dietetics with Internship (and) Dietetics. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

FND 622 - Directed Study (1 - 3)

Individualized investigation about a specific nutrition/dietetics topic under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Major/Minor Restriction: Include Dietetics (and) Dietetics with Internship. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course may be repeated 2 times.

FND 625 - Advanced Maternal and Child Nutrition (3)

Advanced study of pre-conception, pregnancy, lactation, infancy, and child nutrition including nutrient requirements, mealtime behaviors, and common nutrition related conditions incorporating evidence-based research in maternal and child nutrition.

Prerequisite: FND 570 with a minimum grade of C. Level Restriction: Include GR.

FND 652 - Public Health Nutrition (3)

Advanced study of the socioecological framework, examining multi-factorial levels of influence on food choices, dietary intake, public policy and health outcomes and how these are inter-related to public health nutrition.

Prerequisite: (RCS 610 or SRM 600 with a minimum grade of C). Major/Minor Restriction: Include Dietetics (and) Dietetics with Internship (and) Dietetics. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

FND 655 - Sports Nutrition (3)

Provide an overview of the roles that nutrient selection, metabolism and timing play in supporting and improving human physical performance. Course includes thorough review of current literature in Sports Nutrition.

Prerequisite: FND 570 with a minimum grade of C. Level Restriction: Include GR.

FND 675 - Clinical Pediatric Nutrition (3)

Study of clinical pediatric nutrition related to diseases and illnesses that affect children from birth through 18 years of age. Students will analyze, critique, and discuss current topics in evidence-based literature and on the news.

Prerequisite: FND 530 with a minimum grade of C. Level Restriction: Include GR.

FND 686 - Dietetics Capstone (5)

Capstone course provides students the opportunity to complete an in-depth study of an area of evidence-based research/practice, write a comprehensive paper and present the project results. S/U or letter graded.

Major/Minor Restriction: Include Dietetics (and) Dietetics with Internship. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

GEOG - Geography

College of Humanities and Social Sciences

Department of Geography, GIS, and Sustainability (p. 88)

GEOG 507 - Geographic Information Science (3)

A rigorous study of fundamental GIS principles, including the nature of spatial data, vector and raster data models, and key GIS analysis operations.

Class Restriction: Exclude Freshman and Sophomore.

GEOG 508 - Workshop (1 - 3)

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

GEOG 513 - Professional Renewal (1 - 3)

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than the acquisition of general discipline knowledge or methodologies. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

GEOG 515 - Geospatial Statistics (3)

Examine statistical techniques useful to the analysis of geographical data. Covers descriptive statistics,

probability, statistical inference, hypothesis testing, statistical modeling and spatial statistics.

Class Restriction: Exclude Freshman and Sophomore.

GEOG 520 - Topics in Systematic Geography (3)

Examine a selected area of systematic geography; consider appropriate pedagogical approaches in teaching about that geographic topic.

Class Restriction: Exclude Freshman and Sophomore.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

GEOG 540 - Biogeography (3)

Identify meaningful patterns in the distributions of plants and animals and explain how/why those patterns developed. Includes an examination of the role humans have played in shaping those patterns.

Level Restriction: Include GR.

GEOG 545 - Landscape Ecology (3)

Learn theory, methods, and tools to understand and analyze the landscapes we live in and to solve landscape-related environmental problems.

Offered: Generally offered Spring Even Years. Level Restriction: Include GR.

GEOG 549 - Remote Sensing of the Environment (3)

Students will learn the conceptual foundations and technical skills to apply remote sensing in environmental and cultural applications. Topics will include land use/land cover classification, change detection, and vegetation modeling.

Level Restriction: Include GR.

GEOG 566 - Grant and Proposal Writing (3)

Explores the fundamentals of grant writing and culminates in the creation of a proposal for submission to a federal agency or nonprofit.

Class Restriction: Exclude Freshman and Sophomore.

GEOG 570 - Urban GIS (3)

Students will gain in-depth knowledge on various urban topics, and evaluate critically economic, social, environmental and health problems in urban areas using GIS.

Level Restriction: Include GR.

GEOG 584 - Web GIS Development and Management (3)

Web GIS development using ArcGIS Online, JavaScript, and html. Management of IIS websites for the delivery of REST and related GIS web services. GEOG 412 or previous experience with Web GIS recommended.

Class Restriction: Exclude Freshman and Sophomore.

GEOG 585 - Advanced Geographic Techniques: Topics (1 - 3)

Advanced study of geographic techniques. Topics will relate to applications in GIS, remote sensing, quantitative analysis, land use analysis, or the mapping sciences.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

GEOG 587 - GIS Programing & Automation (3)

This course will develop advanced skills for geospatial programing. Topics include applying programing to automate processing tasks, interact with map elements, manipulate batches of GIS data, and create basic user interfaces. GEOG 327 or previous experience with programming recommended.

Class Restriction: Exclude Freshman and Sophomore.

GEOG 592 - Field Course in Geography (1 - 6)

Study and apply techniques used, solve geographic problems in the field and effectively present results of such studies.

Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

GEOG 622 - Directed Studies (1 - 3)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

GEOG 692 - Geographic Internship (1 - 3)

Internship in a public agency or private firm to provide professional experience under the supervision of an area specialist. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 3 credit hours.

GEOL - Geology

College of Natural and Health Sciences

Department of Earth and Atmospheric Sciences (p. 93)

GEOL 510 - Groundwater Geology (3)

(2 lecture, 3 laboratory) Groundwater in the geologic setting. Hydrology of groundwater basins. Well hydraulics. Principles of flow in saturated and unsaturated materials. Modeling of hydro geologic systems. Applications to groundwater contamination and management problems.

Prerequisite: (GEOL 201 or GEOL 100 with a minimum grade of C) and (Concurrent Prerequisite MATH 131 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore.

GEOL 515 - Ore Geology (3)

Overview of what ore is and how it is formed, techniques of finding and extracting ore, plus environmental impacts of extracting ore. Case studies of well-known mines.

Prerequisite: (GEOL 202 and GEOL 320 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore.

GEOL 521 - Igneous and Metamorphic Petrology (4)

(3 lecture, 3 laboratory) Description and classification of igneous and metamorphic rocks in hand sample and in thin section. Includes a study of the genesis of igneous and metamorphic rocks via phase diagrams and chemical reactions.

Prerequisite: GEOL 320 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

GEOL 540 - Paleontology (4)

(3 lecture, 3 laboratory) Study of fossils including taxonomy, systematics, taphonomy, functional morphology, paleoecology, biostratigraphy, extinction, evolutionary trends and major events in the history of life. Labs review major fossil groups. Field trips required.

Prerequisite: GEOL 202 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

GEOL 545 - Vertebrate Paleontology (3)

A survey of the evolution of vertebrates through geologic time, emphasizing major events in the history of vertebrates. Includes field trips and methods of fossil collection, preparation, and curation.

Class Restriction: Exclude Freshman and Sophomore.

GEOL 550 - Sedimentology and Stratigraphy (4)

(3 lecture, 3 laboratory) Sedimentary processes; depositional environments; classification and structures of sedimentary rocks; field and laboratory methods of analyzing and interpreting outcrops and samples. Regional stratigraphy of northeastern Colorado investigated. Field trips required.

Prerequisite: GEOL 202 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

GEOL 560 - Geomorphology (4)

(3 lecture, 3 laboratory) Origin and evolution of landforms emphasizing processes of their formation, including tectonic, glacial, fluvial and hillslope processes.

Prerequisite: (GEOL 100 or GEOL 201 with a minimum grade of C) and (Concurrent Prerequisite MATH 131 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore. Course Fee: Participation Fee Required.

GEOL 567 - Volcanic Geology (3)

(2 lecture, 3 laboratory) A study of volcanoes and volcanic processes and products. Emphasis on the origin, classification and interpretation of volcanic rocks and ejecta and volcanic structures and landforms.

Prerequisite: GEOL 202 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

GEOL 570 - Structural Geology (4)

(3 lecture, 3 laboratory) Mechanics of rock deformation and geologic structures of the earth's crust - their description and classification, theories and facts regarding their origins and methods of investigating them. Field trips required.

Prerequisite: GEOL 202 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

GEOL 581 - Geologic Field Techniques (2)

(4 laboratory) Techniques of obtaining and recording geological data in the field and constructing geological maps. Includes use of Brunton compass, topographic maps, aerial photographs, geographic information systems, and the preparation of geological reports.

Prerequisite: (GEOL 450 and GEOL 470 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore.

GEOL 583 - Soils (3)

(2 lecture, 3 laboratory) Explore, examine and interpret classification, genesis and processes that drive soil formation. Use soil data from various ecosystems to assess soil health and land management issues. One weekend field trip required.

Prerequisite: (GEOL 320 or ESCI 320 with a minimum grade of C) and (CHEM 111 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore. Course Fee: Participation Fee Required.

GEOL 585 - Tectonics (3)

Overview of the processes driving and resulting from plate tectonics. Detailed study of some of the earth's past and present mountain belts.

Prerequisite: GEOL 470 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

GEOL 586 - Petroleum and Energy (3)

Petroleum and energy geology includes integrated exploration and development methods and understanding technological advancements that have led to the dynamic energy industry. Case studies and applied problems are emphasized.

Prerequisite: (GEOL 201 and CHEM 111 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore.

GEOL 590 - Rocky Mountain Geology Seminar (2)

Geology of selected Rocky Mountain area thoroughly investigated by means of four-day field trip to that area followed by seminar presentations on topics relevant to geology of specified area.

Class Restriction: Exclude Freshman and Sophomore.

GEOL 622 - Directed Studies (1 - 4)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

GER - German

College of Humanities and Social Sciences

Department of World Languages and Cultures (p. 89)

GER 622 - Directed Studies (1 - 4)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

GERO - Gerontology

College of Natural and Health Sciences

Department of Rehabilitation and Human Services (p. 94)

GERO 560 - Community Resources for Older Adults (3)

Leadership/managerial community based learning required. Review needs of older persons in the community and evaluate the continuum of long-term care resources available, service gaps, program models, and funding mechanisms.

Class Restriction: Exclude Freshman and Sophomore.

GERO 595 - Special Topics in Gerontology (1 - 4)

Course designed to investigate specific aspect of Gerontology.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

GERO 622 - Directed Study in Gerontology (1 - 4)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

GERO 625 - Psychosocial Aspects of Aging (3)

Later life issues are explored using an ecological approach that highlights the benefits and consequences of aging for the individual, family and society.

Level Restriction: Include GR.

GERO 635 - Social Policies of Aging (3)

Traces history and current status of major policies that benefit elderly. Reviews legislation, levels of policy-making and policy concerns of older population. Includes recent policy changes and policy directions.

Level Restriction: Include GR.

GERO 640 - Health Aspects of Gerontology (3)

Identifies major health problems, concerns and practices of the elderly. Examines health care policies, financing, health promotion and wellness concepts.

Level Restriction: Include GR.

GERO 665 - Research Application and Grant Development (3)

Application of skill in research for funding options, program planning, proposal writing, budgeting and establishing controls for grant administration.

Level Restriction: Include GR.

GERO 692 - Graduate Internship in Gerontology (1 - 12)

Only 9 credits may be counted towards degree program. There shall be 40 contact hours per credit hour. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 12 credit hours.

GERO 694 - Practicum in Gerontology (1 - 3)

Make application to the department before registration.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

GERO 699 - Thesis (1 - 6)

Thesis S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

HESA - High Education and Student Affairs Leadership

College of Education and Behavioral Sciences

Department of Leadership, Policy and Development: Higher Education and P-12 Education (p. 83)

HESA 508 - Workshop (1 - 3)

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline. Repeatable, under different subtitles.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

HESA 601 - Introduction to Higher Education & Student Affairs (3)

Introduction to the higher education and student affairs profession. Examined through organizational lenses, ethics, social values, historical documents, and social justice. Emphasis on theory to practice, philosophy, and diversity.

Level Restriction: Include GR.

HESA 611 - Organization and Administration (3)

Develop an understanding of contemporary post-secondary education organizational and administrative theories. Emphasis on theories related to power, multicultural work environments, and other pluralistic models.

Level Restriction: Include GR.

HESA 612 - Higher Education Assessment and Evaluation (3)

Introduction to the philosophy and evolution of social program evaluation and assessment specific to higher education environments. Students will consider political, social, and ethical contexts of evaluation and assessment processes with emphasis on equity and social justice. Substantive emphasis on research design, data collection and analysis techniques, and report writing.

Level Restriction: Include GR.

HESA 622 - Directed Studies (1 - 4)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

HESA 650 - College Student Development: Foundational Theory (3)

Examines foundational and life span theories of college student development and applies them to students' lives and higher education and student affairs practice.

Level Restriction: Include GR.

HESA 651 - Philosophical, Historical and Cultural Foundations of Student Affairs in Higher Education (3)

Philosophies of education and epistemology. History of U.S. higher education. Origin/history of student affairs. Emphasizes cultural perspective of ethnic minorities, women and other cultural subgroups in higher education.

Level Restriction: Include GR.

HESA 652 - Enrollment Management Services (3)

Examines and reviews the history, purposes, functions, organization and administration of Admissions, Financial Aid, Records and Registration, Advising and Orientation.

Level Restriction: Include GR.

HESA 655 - Multiculturalism in Higher Education and Student Affairs (3)

Exploration of meaning making from individual cultural lenses to the application of theory to practice in higher

education settings. Assessment of multicultural competence within HESAL.

Level Restriction: Include GR.

HESA 658 - Helping Skills for Practitioners (3)

Exploration of intervention models and helping relationships for professionals working with diverse college students including: student needs assessment, intervention strategies, conflict coaching, restorative models of accountability.

Level Restriction: Include GR.

HESA 660 - Women in Higher Education and Student Affairs (3)

An overview of women and women's issues in higher education and student affairs in the U.S. Topics include: feminist theories; the division of labor for women faculty and administration; identity and experiences of undergraduate and graduate women; intersectionality of race, class, and gender.

Level Restriction: Include GR.

HESA 661 - Practicum in College Teaching for Student Development (3)

Actual classroom experience in teaching under supervision any course that has as a part of its objectives, developmental content. S/U graded.

Level Restriction: Include GR.

HESA 665 - International Higher Education and Student Affairs (3)

An overview of international higher education and student affairs by global regions. The globalization and internationalization of higher education in the U.S. International students, student affairs, faculty, including study abroad.

Level Restriction: Include GR.

HESA 668 - College Students: Culture, Characteristics, Campus Life (3)

Investigates diverse college student cultures, subcultures, student development, and student engagement. Considers effect on students' progress and success, social media, parental involvement, and ethnic, socio-economic, gender, sexual identity of students.

Level Restriction: Include GR.

HESA 669 - Culturally Responsive Aspects of Transformative Learning (3)

Develop understanding of learner centered approaches examining theories of culturally responsive pedagogy and transformative learning.

Level Restriction: Include GR.

HESA 670 - Internship in Higher Education and Student Affairs Leadership (6)

Field-based experience, applying theoretical and conceptual knowledge in higher education setting. Minimum 20 hours per week. In-depth experience with overall functions of office/agency. Develop skills in specific professional role. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 18 credit hours.

HESA 671 - Introduction to Leadership in Higher Education and Student Affairs Leadership (3)

Course focuses on leadership theory to assist ethical scholar/leaders prepare for leadership roles in diverse organizations.

Level Restriction: Include GR.

HESA 675 - Field Experience in Student Affairs (1 - 3)

Application of theoretical/conceptual knowledge in field-based experience. Overview of role, function of higher education office/ agency, with focus on specific projects or responsibilities. Requires 4 hours per week per credit hour. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 12 credit hours.

HESA 680 - Law and Higher Education (3)

Relate statutory provisions, court decisions, common law principles and constitutional requirements to legal problems affecting public and private higher education institutions and systems.

Level Restriction: Include GR.

HESA 683 - Finance and Resource Management in Higher Education (3)

Analyze issues of financing public and private higher education; examine alternative financing sources and methods; develop skill in resource allocation and management.

Level Restriction: Include GR.

HESA 685 - Human Resources in Higher Education (3)

The course focuses on understanding Human Resource Management (HRM) as an energy source for shaping institutions. Emphasis is on the practical application of achieving change through personnel and compensation administration.

Level Restriction: Include GR.

HESA 695 - Current Issues in Higher Education and Student Affairs Leadership (3)

In this seminar students will examine and analyze current issues and trends in higher education. Specific content will

vary, dependent upon the nature of contemporary issues and trends and student interests.

Level Restriction: Include GR.

HESA 696 - Special Topics in Higher Education and Student Affairs Leadership (1 - 4)

Study of special topics in higher education and student affairs leadership. Topics vary.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course may be repeated 1 time.

HESA 761 - Scholarly Writing for Scholar/Leaders (3)

Seminar focusing on scholarly writing skills and examination of the macro perspective of leadership.

Level Restriction: Include GR.

HESA 781 - Collaborative Inquiry for Scholar/Leaders (3)

Continued doctoral study in higher education and student affairs leadership focusing on collaborative research. Explores research framework and design through a collaborative research project.

Prerequisite: HESA 761 with a minimum grade of C. Level Restriction: Include GR.

HESA 782 - Research Capstone in Higher Ed (3)

This course focuses on three themes, data analysis and representation of findings, writing for publication, and navigating the comprehensive exam and dissertation processes.

Prerequisite: (HESA 761 and HESA 781 with a minimum grade of C). Level Restriction: Include GR.

HESA 797 - Doctoral Proposal Research (1 - 4)

Required dissertation proposal experience for all doctoral students. Four hours of credit must be earned in this course in partial fulfillment of requirements for doctoral degrees before admission to candidacy. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 4 credit hours.

HESA 799 - Doctoral Dissertation (1 - 12)

Required of all doctoral candidates under the direction of a graduate faculty committee. May be taken only after admission to candidacy. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

HIST - History

College of Humanities and Social Sciences

Department of History (p. 88)

HIST 500 - Historiography (3)

Examines the nature of history, historical research, and the writing of history.

Class Restriction: Exclude Freshman and Sophomore and Junior.

HIST 510 - Seminar in Chinese History (3)

An analysis of the topics in Chinese history from earliest times to the present.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

HIST 512 - Seminar in Asian History (3)

Investigates selected topics in the history of China, Japan, India and Southeast Asia.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

HIST 513 - Professional Renewal (1 - 3)

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than the acquisition of general discipline knowledge or methodologies. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

HIST 516 - Seminar in Latin American History (3)

Investigates selected topics in Latin American history. May focus on colonial or post-independence period.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course may be repeated 1 time.

HIST 518 - Modern Africa (3)

A study of central issues of modern African history, including social transformation, the emergence of the nation-state, economic underdevelopment and the problem of southern Africa.

Level Restriction: Include GR.

HIST 520 - Colonial America 1492 to 1763 (3)

Investigates topics in the history of colonial and revolutionary America through direct research and/or readings.

Level Restriction: Include GR.

HIST 522 - Seminar in Southwest History (3)

Focus of seminar will be on research and writing topics for the American Southwest from the Spanish period through the territorial period to the statehood period when full admission secured.

Level Restriction: Include GR.

HIST 530 - Topics in American History (3)

Investigation of a topic in American history. Content depends on instructor.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 15 credit hours.

HIST 557 - Seminar in Medieval and Renaissance History (3)

A seminar for advanced undergraduate and graduate students that will investigate select topics in Medieval and Renaissance history through research and readings.

Level Restriction: Include GR.

HIST 580 - Seminar in History (3)

Students will examine a specific topic and write a critical essay incorporating research, historical methodology, analysis, and expository skills at the graduate level.

Class Restriction: Exclude Freshman and Sophomore and Junior. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

HIST 589 - Seminar in European History (3)

A consideration in depth of European historical development focusing on key issues in European history.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 15 credit hours.

HIST 595 - Graduate Topics in History (3)

This graduate-level course explores a historical topic, theme, or methodological approach. Content depends on instructor.

Offered: Generally offered Fall, Spring, and/or Summer - Check with department/school for next offering. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 18 credit hours.

HIST 598 - Environmental History (3)

Reading seminar explores environmental history. Through a variety of monographs and articles, read and discuss themes, methodologies and subjects. Readings will focus on the twentieth century and cover a global scope.

Level Restriction: Include GR.

HIST 622 - Directed Studies (1 - 6)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

HIST 690 - Writing Seminar (3)

Focuses on the writing of an article-length research paper of publication quality grounded in primary sources. History M.A. students are required to take six credits of HIST 690 and earn at least a B on the research project to pass the course.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

HUM - Humanities

College of Humanities and Social Sciences

Department of English (p. 88)

HUM 595 - Advanced Cultural Studies (3)

An intensive, graduate-level study of one particular cultural phenomenon from a variety of critical perspectives.

Offered: Generally offered Fall, Spring, and/or Summer - Check with department/school for next offering. Class Restriction: Exclude Freshman and Sophomore and Junior. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 9 credit hours.

INTR - Interpreter

College of Education and Behavioral Sciences

Department of American Sign Language and Interpreting Studies (p. 81)

INTR 505 - Supervision of Interpreting Systems (3)

This course focuses on supervision of interpreting systems. Students examine core skills shared by supervisors and analyze strategies that promote effective communication and resolve conflict in the workplace.

Class Restriction: Exclude Freshman and Sophomore.

INTR 506 - Leadership in Interpreting (3)

This course introduces the major theories and concepts of leadership and their application to the field of interpreting. It will explore the link between leadership, ethics, and values.

Class Restriction: Exclude Freshman and Sophomore.

INTR 560 - Ethics in Leadership (3)

This course addresses central issues of moral philosophy, seeking to identify and understand moral challenges peculiar to leadership. Ethical problems taking on a particular guise in leadership contexts are explored.

Class Restriction: Exclude Freshman and Sophomore.

INTR 561 - Conducting Diagnostic Assessments for ASL-English Interpreters (3)

This course provides supervisors of interpreters, lead interpreters and/or mentors with a common system, along with the tools and resources needed to effectively conduct skills-based diagnostic assessments.

Class Restriction: Exclude Freshman and Sophomore.

INTR 580 - Overview of Legal Interpreting in the American Legal System (4)

This course introduces students to the American Judicial System including the scope and jurisdiction of federal and state courts and an overview of the civil and criminal court process.

Class Restriction: Exclude Freshman and Sophomore.

INTR 581 - Civil Litigation (3)

This course provides students with a foundation in civil law, procedures and systems that is essential to understanding the legal meaning of civil law proceedings to be interpreted.

Class Restriction: Exclude Freshman and Sophomore.

INTR 582 - Criminal Law (4)

This course examines criminal law and its associated procedures, as well as the implications of the criminal procedure and legal language on the interpreting process.

Class Restriction: Exclude Freshman and Sophomore.

INTR 583 - Internship: Skill Development for Legal Interpreters (3)

This course provides the student with a firm foundation in the tasks of interpreting legal texts and guides the practicum experience.

Class Restriction: Exclude Freshman and Sophomore.

INTR 585 - Internship for Legal Interpreters (1)

This course provides the student with supervised internship in legal interpreting. This course will engage the student in a 55-hour, field-based, supervised experience that provides for the application of the skills, knowledge and attitudes that constitute interpreting in the American Judicial System.

Prerequisite: (INTR 580 and INTR 581 and INTR 582 and INTR 583 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore.

MAS - Mexican American Studies

College of Humanities and Social Sciences

Department of Chicana/o and Latinx Studies (p. 87)

MAS 508 - Workshop (1 - 3)

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline.

Class Restriction: Exclude Freshman and Sophomore.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

MAS 510 - Studies in Mexican American History and Culture (3)

This course is an interdisciplinary survey seminar that explores cultural and historical developments of the Mexican origin people across four distinct periods, Indigenous America, Spanish America, the rise of Mexico and U.S. incorporation of Mexico into the United States. Attention will be given to cultural identity, cultural representations and cultural memory. Students will survey and study primary and secondary documents.

Class Restriction: Exclude Freshman and Sophomore.

MAS 513 - Professional Renewal (1 - 3)

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than the acquisition of general discipline knowledge or methodologies. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

MAS 520 - Chicana/o Civil Rights Movement (3)

This course will examine cultural, social, historical, political and economic conditions which gave rise to the Chicana and Chicano Civil Rights Movement during the years 1950-1980.

Class Restriction: Exclude Freshman and Sophomore.

MAS 530 - Studies in Mexican American Literature (3)

This course will introduce major authors of Mexican American and Xicanx literature through the study of fiction, nonfiction, poetry, drama, and illustrated texts. The goals of the course include improving students' understanding of these works as expressions of individual and human values within a historical and social context, cultivating an appreciation for the aesthetic principles that guide this literature, reflecting on the way this literature influences and is influenced by intercultural experiences, and researching critical responses and linguistic theories associated with these works.

Class Restriction: Exclude Freshman and Sophomore.

MAS 546 - Chicana/o Theory (3)

Examines various theories and methods utilized by Chicana/o scholars during the evolution of the discipline of Chicana/o Studies, exploring how these theories and methods have informed and continue to inform writing and research in Chicana/o Studies.

Class Restriction: Exclude Freshman and Sophomore.

MAS 560 - Narco Corrido and Mexican Folk Culture (3)

The course examines Mexican and Mexican American popular folk culture in the context of historical and contemporary issues.

Class Restriction: Exclude Freshman and Sophomore.

MAS 622 - Directed Studies (1 - 3)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

MAS 630 - Globalization and Transnationalism (3)

This course examines how globalization and transnationalism influence economic, political and cultural conditions in both sending states such as Mexico, El Salvador and Guatemala and receiving states such as the United States.

Level Restriction: Include GR.

MAS 650 - Research Methods in Mexican American Studies (3)

This course explores a range of research methods pertaining to the investigation of the Mexican American experience in the United States. The course requires the development of the following: methodology, research question, research outline, literature review, and a research paper.

Level Restriction: Include GR.

MAS 680 - Pedagogy - Teaching Mexican American Studies (3)

This course prepares instructors/educators to teach about current research and knowledge concerning the Mexican origin population in the United States. The course provides strategies for instruction of Mexican American Studies. Emphasis is placed on instruction, creation of lesson plans and delivery modes.

Level Restriction: Include GR.

MATH - Mathematics

College of Natural and Health Sciences

School of Mathematical Sciences (p. 93)

MATH 508 - Workshop (1 - 3)

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline.

Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

MATH 513 - Professional Renewal (1 - 3)

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than the acquisition of general discipline knowledge or methodologies. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

MATH 520 - Functions and Equations (3)

Polynomial equations including DeMoivre's Theorem, the Fundamental Theorem of Algebra, methods of root extraction (e.g., Newton, Graffe) multiplicities, symmetric functions, matrices and determinants. Elementary computer applications.

Level Restriction: Include GR.

MATH 522 - Directed Studies (1 - 3)

Individualized investigation under the direct supervision of faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

MATH 525 - Linear Algebra I (3)

Vector spaces, linear transformations, matrices, eigenvalues, canonical forms, quadratic forms and other selected topics.

Prerequisite: MATH 321 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

MATH 528 - Discrete Mathematics (3)

A broad, deep survey of topics in enumerative combinatorics, with a focus on mathematical reasoning and problem solving.

Level Restriction: Include GR.

MATH 529 - Mathematical Problem Solving (3)

Techniques in problem solving applied to algebra, number theory, geometry, probability, discrete mathematics, logic and calculus. A study of Polya's heuristic rules of mathematical discovery.

Level Restriction: Include GR.

MATH 531 - Basic Analysis I (3)

Sequence of two courses to extend studies of calculus and analysis into the mathematical rigor and logic of analysis. Includes: real numbers, sequences, topology, limits, continuity, differentiation, series and integration.

Prerequisite: MATH 233 with a minimum grade of C.
Level Restriction: Include GR.

MATH 532 - Basic Analysis II (3)

Continuation of MATH 531.

Prerequisite: MATH 531 with a minimum grade of C.
Class Restriction: Exclude Freshman and Sophomore.

MATH 534 - Continuous Mathematics (3)

An exploration of select topics in real analysis providing a deeper understanding of real numbers, continuous functions, and the theoretical underpinnings of calculus.

Level Restriction: Include GR.

MATH 537 - Mathematical Modeling (3)

Introduction to the process of mathematical modeling using a wide selection of mathematical tools, with an emphasis on development, verification and interpretation of models and communication of results.

Level Restriction: Include GR.

MATH 540 - Introduction to Topology (3)

Point-set topology and the foundations of real analysis.

Class Restriction: Exclude Freshman and Sophomore.

MATH 543 - Modern Geometry (3)

A survey of both traditional Euclidean geometry and contemporary geometries, in which applications of geometry are integrated into the study of the mathematical structure of geometrical systems.

Class Restriction: Exclude Freshman and Sophomore.

MATH 550 - Applied Probability and Statistics (3)

Methods related to descriptive and inferential statistics and the concept of probability are investigated in depth.

Level Restriction: Include GR.

MATH 560 - Introductory Complex Variables (3)

First course in complex variables, especially for potential calculus teachers. After preliminaries, proceed directly to power series, Laurent's series, contour integration, residue theory, polynomials and rational functions.

Prerequisite: MATH 432 with a minimum grade of C.
Class Restriction: Exclude Freshman and Sophomore.

MATH 564 - History of Mathematics (3)

Survey of mathematical conceptual development and the people involved from antiquity to the present, including content connections and use of primary and secondary sources.

Level Restriction: Include GR.

MATH 591 - Abstract Algebra and Number Theory (3)

A problem-solving approach to a survey of core abstract algebra topics including groups, rings, integral domains, fields and number theory related results.

Level Restriction: Include GR.

MATH 595 - Topics in Mathematics (1 - 3)

Topics from various fields of mathematics which reflect specific interests of instructors and students.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

MATH 599 - Mathematics Action Research Project Seminar (3)

Students conduct research into a mathematical problem relevant to their own teaching, implement a related innovation in their own classroom, and write about their findings.

Prerequisite: 4 Courses of MATH 500-799 with a minimum grade of C. Level Restriction: Include GR.
Repeatable Status: Course is repeatable with no limitations.

MATH 622 - Directed Studies (1 - 4)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

MATH 651 - Statistical Science (3)

The course focuses on statistical inference problems, applied linear models including multiple regression, ANOVA, linear mixed models and categorical data analysis including generalized linear models.

Level Restriction: Include GR.

MATH 695 - Special Topics (1 - 4)

Surveys topics from fields of mathematics not included in existing courses, reflecting specific interests of students and instructors.

Offered: Generally offered Fall and Spring - Check with department/school for next offering. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

MATH 709 - Abstract Algebra I (3)

Explores role of structures in abstract algebra through an historical lens. Role of symmetry in the development of groups. Role of solving equations in the development of rings and fields

Offered: Generally offered Fall. Check with department for next offering.. Level Restriction: Include GR.

MATH 723 - Abstract Algebra II (3)

Polynomial Noetherian rings and ideals. Fields and Galois theory. Structure of fields. History and applications.

Prerequisite: MATH 709 with a minimum grade of C. Level Restriction: Include GR.

MATH 728 - Topics in Discrete Mathematics (3)

Survey of enumerative combinatorics motivated by discrete structures of historical and practical importance, including relations, functions, graphs, and groups. Explore connections between counting and the mathematical structure of finite sets.

Offered: Generally offered Spring - Check with department/school for next offering. Level Restriction: Include GR.

MATH 732 - Complex Variables (3)

Analytic and meromorphic functions in the complex plane. Integration, conformal mapping and advanced topics.

Level Restriction: Include GR.

MATH 733 - Geometric Analysis (3)

Analysis of functions of several variables, unifying and extending ideas from calculus and linear algebra. Includes the implicit function theorem and Stokes' Theorem.

Prerequisite: MATH 525 with a minimum grade of C. Level Restriction: Include GR.

MATH 735 - Real Analysis (3)

Rigorous approach to real numbers and functions, with a historical perspective. Foundations of calculus and analytic geometry, including integration and measure. Elements of complex analysis and its applications.

Offered: Generally offered Fall - Check with department/school for next offering. Level Restriction: Include GR.

MATH 738 - Mathematical Modeling (3)

Introduction to the process of mathematical modeling and, in particular, topics in modeling that have relevance to secondary school mathematics. This project-based course emphasizes development and communication of models.

Offered: Generally offered Spring - Check with department/school for next offering. Level Restriction: Include GR.

MATH 743 - Modern Geometry (3)

Neutral, Euclidean, spherical, hyperbolic, and other geometries. Intuitive and axiomatic viewpoints. Connections to analysis, abstract algebra, and history of mathematics. Prepares students to research geometry education and teach undergraduate geometry.

Offered: Generally offered Fall - Check with department/school for next offering. Level Restriction: Include GR.

MATH 778 - Mathematical Logic (3)

The notion of proof, first order logic, set theory, ordinals, cardinals and an overview of the most important recent results in the field.

Level Restriction: Include GR.

MATH 795 - Special Topics (1 - 4)

Surveys topics from fields of mathematics not included in existing courses, reflecting specific interests of students and instructors.

Offered: Generally offered Fall and Spring - Check with department/school for next offering. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

MATH 797 - Doctoral Proposal Research (1 - 4)

Four hours of credit for doctoral dissertation proposal research must be earned in partial fulfillment of requirements before admission to candidacy.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 4 credit hours.

MATH 799 - Doctoral Dissertation (1 - 12)

Doctoral Dissertation. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

MBA - Master of Business Administration

Kenneth W. Monfort College of Business

Master of Business Administration (p. 90)

MBA 605 - Data Analytics and Visualization (3)

Data analytics considers methods for structuring and manipulating large databases, extracting usable datasets and performing statistical and textual analysis to support decision-making. Exploratory, confirmatory and predictive analytics will be examined. Data visualization considers techniques to communicate statistical and operations information efficiently through graphical techniques. This includes dashboards, charting, plotting and mapping methods.

Prerequisite: (Concurrent Prerequisite MBA 654 with a minimum grade of C) and (Completion of MBA Foundation Modules). Level Restriction: Include GR.

MBA 610 - Managerial Accounting (3)

This course examines the concepts, applications, and uses of managerial accounting in managerial decision-making for managers and other internal users.

Prerequisite: (Concurrent Prerequisite MBA 654 with a minimum grade of C) and (Completion of MBA Foundation Modules). Level Restriction: Include GR.

MBA 611 - Fundamentals of Accounting Analytics (3)

Covers analytic techniques for decision making in accounting.

Special Notes: MBA 611 cannot be retaken for credit if MBA 695 "Fund of Accounting Analytics" title was taken in Spring 2023. Prerequisite: Completion of MBA Foundation Modules. Offered: Generally offered Fall and/or Spring Annually. Mutually Exclusive Course: Credit allowed for only one of these courses: MBA 611 and MBA 695. Level Restriction: Include GR.

MBA 612 - CPA Preparation (3)

This course is for Certified Public Accountant examination preparation.

Prerequisite: Completion of MBA Foundation Modules. Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR.

MBA 613 - Financial Analytics (3)

This course covers the analysis and interpretation of financial disclosure data using data analytic techniques.

Prerequisite: Completion of MBA Foundation Modules. Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR.

MBA 614 - Fraud Analytics (3)

This course covers the detection and prevention of financial fraud using data analytic techniques.

Prerequisite: Completion of MBA Foundation Modules. Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR.

MBA 622 - Directed Studies (1 - 3)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.) Letter graded.

Special Notes: Maximum concurrent enrollment is two times. Prerequisite: (Concurrent Prerequisite MBA 654 with a minimum grade of C) and (Completion of MBA Foundation Modules). Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

MBA 632 - Business Law (3)

Provides an understanding of the law of business transactions as part of the decision-making process. Topics will include the law of agency, contracts, bankruptcy (debtor/creditor relationships), formation of business entities, secured transactions, negotiable instruments, and the regulation of the accounting profession. The course will utilize topical analysis and a case study approach focusing on analysis, synthesis, and evaluation of complex legal problems.

Level Restriction: Include GR.

MBA 650 - Economics of Managerial Decisions (3)

Examines application of microeconomic analysis used in managerial decision-making. Topics include demand analysis, cost and production functions, and behavior of competitive and non-competitive markets with applications to various business decisions.

Prerequisite: (Concurrent Prerequisite MBA 654 with a minimum grade of C) and (Completion of MBA Foundation Modules). Level Restriction: Include GR.

MBA 654 - Ethical Leadership and Organizational Behavior (3)

Examines organizational behavior topics such as motivation, team dynamics, perception, power, politics, conflict, and culture, with an in-depth view of ethical leadership.

Level Restriction: Include GR.

MBA 656 - Strategic Management (3)

This course provides a capstone experience through techniques and tools needed for effective strategy. Students integrate concepts, theories, and tools to develop comprehensive strategies in a variety of business environments.

Prerequisite: (MBA 650 and MBA 654 and MBA 660 and MBA 670 with a minimum grade of C) and (GPA-GR-3.0). Offered: Generally offered Fall, Spring, and/or Summer Annually. Level Restriction: Include GR.

MBA 658 - Advanced International Business (3)

This course focuses on the mechanics of globalization and the mastery of business strategy, operation and practices from a global perspective. It explores national differences in political economy, culture, ethics, and their implications in international management and how to integrate such differences into a global strategy.

Prerequisite: (Concurrent Prerequisite MBA 654 with a minimum grade of C) and (Completion of MBA Foundation Modules). Level Restriction: Include GR.

MBA 660 - Marketing Management (3)

This course examines concepts involved in planning, implementing and evaluating the marketing strategies of various organizations. Topics include marketing strategy tools, positioning, brands, price, place, promotion, market research, and marketing plan.

Prerequisite: (Concurrent Prerequisite MBA 654 with a minimum grade of C) and (Completion of MBA Foundation Modules). Level Restriction: Include GR.

MBA 661 - Consumer Behavior (3)

In this class, we discuss why consumers behave the way they do. Using these theories developed primarily in psychology, behavioral economics, and marketing, we will try to predict how consumers will respond in different settings. This course uses readings (both books and articles) to drive insights and generate discussion.

Prerequisite: (Concurrent Prerequisite MBA 654 with a minimum grade of C) and (Completion of MBA Foundation Modules). Level Restriction: Include GR.

MBA 662 - Digital Marketing (3)

The Internet and advances in technologies for e-commerce, web design, mobile marketing, social media marketing, content marketing, search engine marketing, and web analytics/measurement are transforming how companies, brands, and individuals plan and practice strategic marketing. This course provides students with an understanding of how marketing is adapting and integrating these changes for the digital age.

Prerequisite: (Concurrent Prerequisite MBA 654 with a minimum grade of C) and (Completion of MBA Foundation Modules). Offered: Generally offered Fall, Spring, and/or Summer Annually. Level Restriction: Include GR.

MBA 663 - Services Marketing Strategy (3)

Expand on fundamental concepts of marketing in relation to service industry settings. A second theme of the course focuses on the role of service in manufacturing businesses. Currently, many firms in the manufactured goods sector see service as the basis for attaining a sustained competitive advantage.

Prerequisite: Completion of MBA Foundation Modules. Offered: Generally offered Fall, Spring, and/or Summer Annually. Level Restriction: Include GR.

MBA 664 - Project Management Fundamentals (3)

Course is patterned after the Project Management Institute concepts of project initiation, planning, execution, monitoring and controlling, and closure. This course also prepares students to take the Project Management Professional certification from the Project Management Institute.

Prerequisite: Concurrent Prerequisite MBA 654 with a minimum grade of C. Level Restriction: Include GR.

MBA 667 - Six Sigma (3)

This course explores six sigma - one of the most popular improvement methodologies leveraged by all types of organizations. The course will provide you the knowledge and hands-on experience with the most powerful tools used for six sigma projects. An optional benefit is the opportunity to take a certification exam and earn the Certified Six Sigma Green Belt designation.

Prerequisite: Concurrent Prerequisite MBA 654 with a minimum grade of C. Level Restriction: Include GR.

MBA 668 - Lean Transformation (3)

This course explores lean transformation - the number one improvement methodology designed for creating and maintaining a sustainable organization. The course will provide you the knowledge and hands-on experience with the most powerful tools used for lean transformations. An optional benefit is the opportunity to take a certification exam and earn the Certified Six Sigma Green Belt designation.

Prerequisite: Concurrent Prerequisite MBA 654 with a minimum grade of C. Level Restriction: Include GR.

MBA 669 - Advanced Supply Chain Management (3)

This course focuses on the improvement of supply chain processes and performance. This course focuses on four foundation perspectives: purchasing, operations, logistics and process integration.

Prerequisite: (Concurrent Prerequisite MBA 654 with a minimum grade of C) and (Completion of MBA Foundation Modules). Level Restriction: Include GR.

MBA 670 - Advanced Financial Management (3)

Course topics include time value of money, risk and return, capital budgeting, financial analysis and modeling, capital structure, working capital management, and international corporate finance. Advanced topics make use of case studies and/or simulation.

Prerequisite: (Concurrent Prerequisite MBA 654 with a minimum grade of C) and (Completion of MBA Foundation Modules). Level Restriction: Include GR.

MBA 675 - Healthcare Systems (3)

This course examines healthcare systems, their history and evolution.

Prerequisite: (Concurrent Prerequisite MBA 654 with a minimum grade of C) and (Completion of MBA Foundation Modules). Offered: Generally offered Fall, Spring, and Summer Annually. Level Restriction: Include GR.

MBA 676 - Healthcare by the Numbers (3)

The goal of this course is to provide non-financial healthcare managers with the practical knowledge of healthcare finance, budgeting and reimbursement models and how to utilize this information in executive decision-making.

Prerequisite: (Concurrent Prerequisite MBA 654 with a minimum grade of C) and (Completion of MBA Foundation Modules). Offered: Generally offered Fall, Spring, and/or Summer Annually. Level Restriction: Include GR.

MBA 677 - Managing Qualitative Issues in Healthcare Organizations (3)

This course will provide students with an overview of the healthcare related managerial issues leaders face. Topics will include ethics, technological trends, role of the generalist vs. specialist and strategic management in healthcare organizations.

Prerequisite: (Concurrent Prerequisite MBA 654 with a minimum grade of C) and (Completion of MBA Foundation Modules). Offered: Generally offered Fall, Spring, and/or Summer Annually. Level Restriction: Include GR.

MBA 679 - Entrepreneurial Finance (3)

This course builds the core body of knowledge in financial modeling and analysis as these relate to the issues of raising capital for, and managing financial operations of, a startup / early-stage enterprise.

Prerequisite: (Concurrent Prerequisite MBA 654 with a minimum grade of C) and (Completion of MBA Foundation Modules). Offered: Generally offered Fall, Spring, and/or Summer Annually. Program Restrictions: Include . Degree Restriction: Include GR.

MBA 680 - Investments (3)

The course studies the nature of securities, the determinants of the securities prices, and the ways in which the securities markets operate. Applies risk-return analysis in making decisions to buy or sell assets.

Prerequisite: (Concurrent Prerequisite MBA 654 with a minimum grade of C) and (Completion of MBA Foundation Modules). Offered: Generally offered Fall, Spring, and/or Summer Annually. Level Restriction: Include GR.

MBA 681 - Talent Management (3)

Focuses on the creation of a competitive advantage through strategic human resources planning and staffing. Topics include job analysis, recruiting, assessment, succession planning, and retention. Also covers laws and regulations relative to the recruiting process.

Prerequisite: (Concurrent Prerequisite MBA 654 with a minimum grade of C) and (Completion of MBA Foundation Modules). Level Restriction: Include GR.

MBA 683 - Compensation, Rewards, and Performance Management (3)

Focuses on the effective design of an organization's compensation, total rewards, and performance management systems. Topics include total compensation systems that attract and retain talent, employee benefits and performance management.

Prerequisite: (Concurrent Prerequisite MBA 654 with a minimum grade of C) and (Completion of MBA Foundation Modules). Level Restriction: Include GR.

MBA 684 - Managing Organizational Change (3)

Introduces students to the major approaches used for managing both planned and unplanned organizational change. Reviews diagnostic techniques for identifying organizational problems and examines how strategic organizational change can achieve increased quality, productivity, and employee engagement.

Prerequisite: (Concurrent Prerequisite MBA 654 with a minimum grade of C) and (Completion of MBA Foundation Modules). Level Restriction: Include GR.

MBA 695 - Special Topics in Business (1 - 3)

A seminar course in various business content areas as need and opportunity arise.

Prerequisite: (Concurrent Prerequisite MBA 654 with a minimum grade of C) and (Completion of MBA Foundation Modules). Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

MED - Mathematics Education

College of Natural and Health Sciences

School of Mathematical Sciences (p. 93)

MED 508 - Workshop (1 - 3)

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline.

Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

MED 513 - Professional Renewal (1 - 3)

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than the acquisition of general discipline knowledge or methodologies. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

MED 522 - Topics in Mathematics Teaching at the Middle Level (1 - 3)

A mathematics education course for current middle school teachers. Content includes mathematics education topics appropriate for teachers of middle level mathematics.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course may be repeated 6 times.

MED 523 - Teaching Algebra (3)

The course focuses on current research and practices of teaching, learning, and assessing algebra in secondary schools, including ways to support student thinking and teaching for understanding.

Level Restriction: Include GR.

MED 543 - Teaching Geometry (3)

The course focuses on current research and practices of teaching, learning, and assessing geometry in secondary schools, including ways to support student thinking and teaching for understanding.

Level Restriction: Include GR.

MED 550 - Teaching Applied Probability and Statistics (3)

The course focuses on current research and practices of teaching, learning, and assessing probability and statistics in secondary schools, including ways to support student thinking and teaching for understanding.

Level Restriction: Include GR.

MED 555 - Teaching Secondary Math for Understanding (3)

This course explores the knowledge and skills to elicit, understand, build on, and respond to student thinking. It provides expertise to support student learning and teach secondary mathematics for understanding.

Level Restriction: Include GR.

MED 560 - Culture in the Math Classroom (3)

This course examines ways to integrate knowledge of the role of culture in mathematics teaching and learning into mathematics instruction with the goal of developing students' internal motivation.

Level Restriction: Include GR.

MED 595 - Teaching Advanced Topics in Secondary School Mathematics (3)

The course focuses on current research and practices of teaching, learning, and assessing advanced topics in secondary schools.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

MED 599 - Action Research Project Seminar (3)

Students research a current problem in secondary mathematics education relevant to their teaching situation, developing goals, reviewing relevant literature and planning the project as they progress through the program.

Prerequisite: (MED 600 with a minimum grade of C) and (1 Course of MED 500-799 with a minimum grade of C). Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

MED 600 - Introduction to Research in Mathematics Education (3)

Examination and critique of current research in mathematics education. A focus on research design, analysis and reporting of both qualitative and quantitative research.

Level Restriction: Include GR.

MED 610 - Survey of Research in Mathematics Education (3)

The goals of this course are to synthesize and re-conceptualize past research, suggest areas of research most useful to advancing the field and provide implications for classroom practice.

Level Restriction: Include GR.

MED 622 - Directed Studies (1 - 3)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

MED 645 - Interventions in Mathematics (3)

Students will develop knowledge and skills needed to be effective in providing interventions in mathematics for students with learning disabilities and in helping other teachers and paraprofessionals do the same.

Level Restriction: Include GR.

MED 654 - Seminar in College Mathematics Teaching (0 - 1)

Improvement of undergraduate mathematics teaching via active student-based learning and implementation of a learning cycle of informed practice and information gathering, reflection and analysis, and planning and modified practice. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

MED 673 - Teaching and Learning Mathematics on the Elementary Level (3)

To prepare elementary/middle school mathematics specialists. Includes mathematics review of number theory, geometry and other content, NCTM curriculum, professional and assessment standards, use of technology and manipulatives and research.

Level Restriction: Include GR.

MED 674 - Teaching and Learning Mathematics on the Secondary Level (3)

Address and evaluate specific problems in mathematics education. Allow students to examine curricular concerns, evaluation, teaching special populations and cognitive issues relating specifically to the secondary level.

Prerequisite: MED 610 with a minimum grade of C. Level Restriction: Include GR.

MED 675 - Teaching and Learning Mathematics on the Post-Secondary Level (3)

Address community college and undergraduate level mathematics education issues. Focus on current curriculum reform and research into learning and teaching on the post-secondary level.

Prerequisite: MED 610 with a minimum grade of C. Level Restriction: Include GR.

MED 678 - Special Topics (2 - 3)

No more than six hours may be applied to any one graduate degree. Prerequisites and topics announced in Schedule of Classes.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course may be repeated 2 times.

MED 680 - Teaching Math for Understanding I (3)

Must be an in-service math teacher or math teacher leader. Classroom and teacher leadership issues related to 1) variation in beliefs and practices underlying teaching math for understanding and 2) motivation, status, and affect in the mathematics classroom.

Level Restriction: Include GR.

MED 681 - Teaching Math for Understanding II (3)

Must be an in-service math teacher or math teacher leader. Classroom and teacher leadership issues related to 1) using assessment to support teaching math for understanding and 2) providing all students with the opportunity to learn mathematics with understanding.

Level Restriction: Include GR.

MED 682 - Implementing Mathematics Curriculum (3)

A course for developing the knowledge and skills needed to be an effective mathematics teacher leader with an emphasis on implementing a high-quality mathematics curriculum.

Level Restriction: Include GR.

MED 683 - Seminar in Equity and Diversity Issues in Mathematics Education (1 - 3)

Addresses cultural issues related to generating equity in K-12 mathematics. Each seminar focuses on a particular cultural issue, such as gender, ethnicity, race, and class. S/U graded.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

MED 684 - Mathematics Coaching (3)

Must be an in-service teacher or math teacher leader. Develop the knowledge and skills needed to be an effective mathematics coach.

Level Restriction: Include GR.

MED 685 - Math Teacher Leadership I (2)

Must be an in-service math teacher or math teacher leader. Knowledge and skills for mathematics teacher leadership including: leading change initiatives, managing conflict, designing math professional development, supporting cultural responsible teaching, and deepening pedagogical content knowledge for teaching mathematics.

Level Restriction: Include GR.

MED 686 - Math Teacher Leadership II (2)

Must be an in-service math teacher or teacher leader. This course focuses on the knowledge and skills to be an effective mathematics teacher leader by building and expanding on the content of MED 685.

Prerequisite: MED 685 with a minimum grade of C. Level Restriction: Include GR.

MED 687 - Math Teacher Leadership III (2)

Knowledge and skills for mathematics teacher leadership including: exploring general leadership, working with teachers, analyzing the interactions among culture, mathematics, teaching and learning, and deepening mathematics knowledge for teaching.

Level Restriction: Include GR.

MED 688 - Math Teacher Leadership IV (2)

This course focuses on the knowledge and skills to be an effective mathematics teacher leader by building on the content of MED 687.

Prerequisite: MED 687 with a minimum grade of C. Level Restriction: Include GR.

MED 700 - Cognitive Processes in Mathematics (3)

Analyze research concerning cognitive science in mathematics education. Conduct case study on cognition in mathematics.

Prerequisite: MED 610 with a minimum grade of C. Level Restriction: Include GR.

MED 701 - Quantitative Research in Mathematics Education (3)

Learn advanced research concepts and methods that are unique in the study of educational mathematics. Includes data analysis and advanced statistical techniques.

Prerequisite: (MED 610 and MATH 651 with a minimum grade of C). Level Restriction: Include GR.

MED 702 - Qualitative Research in Mathematics Education (3)

A focus on paradigms, issues and methods of qualitative research in mathematics education. This includes critical analysis of literature and of data collected from mathematics learning environments.

Prerequisite: MED 610 with a minimum grade of C. Level Restriction: Include GR.

MED 703 - Teaching and Learning K-12 Mathematics (3)

A focus on issues relevant to working with pre-service and in service K-12 mathematics teachers, and in promoting standards-based content, curriculum, pedagogy and assessment.

Prerequisite: MED 610 with a minimum grade of C. Level Restriction: Include GR.

MED 710 - Seminar in Post-Secondary Mathematics Teaching (1)

Curricular, pedagogical and ethical issues in college mathematics teaching. Students and faculty reflect on and discuss ways to improve and reform teaching. S/U graded.

Level Restriction: Include GR.

MED 731 - Learning Theories in Mathematics Education (3)

Examines the research and practice of learning theories in mathematics education (grades 6-14), including their historical and contemporary significance in research and practice.

Offered: Generally offered Fall - Check with department/school for next offering. Level Restriction: Include GR.

MED 732 - Mathematics Curriculum Design (3)

Examines the research and practice of curriculum development in mathematics education (grades 6-14), including educational philosophy, contemporary problems of curriculum design, and the role of mathematics teacher educators in curriculum decision-making processes.

Offered: Generally offered Fall - Check with department/school for next offering. Level Restriction: Include GR.

MED 733 - Models of Teaching in Mathematics (3)

Examines the research and practice of teaching models in mathematics education (grades 6-14), including theory-based and research-based practices of mathematics teaching in relation to historical and contemporary contexts.

Offered: Generally offered Fall - Check with department/school for next offering. Level Restriction: Include GR.

MED 740 - Equity in Mathematics Education (3)

Examines the research and practice of equity, inclusion, and diversity in mathematics education (grades 6-14), including the underlying theories of such research and practice in relation to historical and contemporary contexts.

Offered: Generally offered Spring Odd Years. Level Restriction: Include GR.

MED 750 - History and Philosophy of Mathematics Education (3)

An exploration of the underpinnings of current K-16 mathematics education by examining the historical development, perspectives and schools of thought that have influenced the teaching of mathematics.

Prerequisite: MED 700 with a minimum grade of C. Level Restriction: Include GR.

MED 751 - Teaching Mathematical Sciences Mentorship (3)

Under the mentorship of mathematical science faculty, participants will participate in the administration and facilitation of an undergraduate or master's level course in the mathematics sciences.

Offered: Generally offered Spring Annually. Level Restriction: Include GR. Repeatable Status: Course may be repeated 3 times.

MED 752 - Research in Mathematics Education Mentorship (3)

Under the mentorship of a mathematics educator, participants will investigate a research question relevant to their degree goals, and actively engage in mathematics education research practices to answer a research question.

Offered: Generally offered Spring Annually. Level Restriction: Include GR. Repeatable Status: Course may be repeated 3 times.

MED 753 - Theory to Practice in Mathematical Sciences Mentorship (3)

Under the mentorship of mathematical sciences faculty, participants will work on a problem relevant to their degree goals, and investigate possible solution paths and their relevance to mathematics education.

Offered: Generally offered Spring Annually. Level Restriction: Include GR. Repeatable Status: Course may be repeated 3 times.

MED 766 - Research Design Seminar (3)

The course focuses on concrete issues of developing and conducting mathematics education research: picking a topic, developing problem statement, purpose, research questions, and relevant literature review. S/U graded.

Level Restriction: Include GR.

MET - Meteorology*College of Natural and Health Sciences*

Department of Earth and Atmospheric Sciences (p. 93)

MET 501 - Dynamic Meteorology I (3)

The physical laws governing planetary and synoptic-scale atmospheric motions are developed mathematically based on conservation of mass, momentum, and energy.

Prerequisite: (MATH 233 and MET 315 and MET 320 and PHYS 240 with a minimum grade of C). Major/Minor Restriction: Include Earth Sciences. Type of Restriction For Major/Minor Code: Major(s). Class Restriction: Exclude Freshman and Sophomore.

MET 502 - Synoptic Meteorology (4)

(3 lecture, 2 laboratory) Use of weather data, manual analyses, and meteorological software tools in weather forecasting and case studies. Practice includes review of theory, student weather briefing, daily forecast, and statistical forecast verification.

Prerequisite: MET 501 with a minimum grade of C. Major/Minor Restriction: Include Earth Sciences. Type of Restriction For Major/Minor Code: Major(s). Class Restriction: Exclude Freshman and Sophomore.

MET 520 - Advanced Weather Prediction (4)

(3 lecture, 2 laboratory) Describes the principles of numerical weather prediction, modern forecast models, and their uses. Emphasis is placed on weather analysis, the advantages and limitations of numerical models, and advanced forecasting applications.

Prerequisite: (CS 101 with a minimum grade of C).
Major/Minor Restriction: Include Earth Sciences. Type of Restriction For Major/Minor Code: Major(s). Class Restriction: Exclude Freshman and Sophomore.

MET 551 - Climatology (3)

Factors affecting climate; analytical methods used to study climatology, general circulation of the atmosphere, oceans, and the global energy balance. Introduction to global climate models, projects of climate change.

Class Restriction: Exclude Freshman and Sophomore.

MET 552 - Paleoclimatology (3)

Survey of climate history and methods of interpreting geological, paleontological, and paleobotanical climate proxies. Introduction to modeling, utility of using models to reconstruct past climate, and current research in paleoclimate.

Prerequisite: MET 205 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

MET 562 - Extreme Mountain Weather (3)

Principles of extreme weather over complex terrain, Rocky Mountains, and Colorado Front Range. Fire weather, windstorms, air pollution, blizzards and snow avalanches, monsoon circulations, and forecast applications.

Level Restriction: Include GR.

MET 595 - Special Topics in Meteorology (1 - 4)

Explore topics in Meteorology beyond existing departmental offerings. Specific topics determined by student interest and instructor.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

MET 622 - Directed Studies (1 - 3)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

MFT - Mathematics for Teachers

College of Natural and Health Sciences

School of Mathematical Sciences (p. 93)

MFT 514 - Geometry in Middle School Mathematics Teaching (3)

A combined mathematics/mathematics education course for current middle school teachers. Content includes measurement, symmetry, properties of figures, proof, and pedagogical content knowledge for teaching geometry at the middle grades. S/U or letter graded.

Level Restriction: Include GR.

MFT 515 - Number and Operations in Middle Level Mathematics Teaching (3)

A combined mathematics/mathematics education course for current middle school teachers. Content includes topics in number theory, arithmetic operations and their representations (algebraic and geometric), problem-solving, numerical patterns and formulas, and pedagogical content knowledge for teaching these topics in the middle grades, with particular emphasis on preparing students to enter algebra. S/U or letter graded.

Level Restriction: Include GR.

MFT 516 - Algebra in Middle Level Mathematics Teaching (3)

A combined mathematics/mathematics education course for current middle school teachers. Content includes algebraic representations of patterns, numbers, and functions and pedagogical content knowledge for teaching algebra at the middle grades. S/U or letter graded.

Level Restriction: Include GR.

MFT 517 - Data Analysis & Probability in Middle Level Mathematics Teaching (3)

A combined mathematics/mathematics education course for current middle school teachers. Content includes introductory notions of probability and basic descriptive statistics appropriate for teachers of middle level mathematics.

Level Restriction: Include GR.

MFT 518 - Proportional Reasoning for Middle Level Mathematics Teachers (3)

Students must be professional teachers who have taught either elementary or secondary school mathematics. Combined mathematics/mathematics education course for current middle school teachers. Content includes proportional reasoning; conceptual understanding of fractions, ratios, percents; structure of real numbers; pedagogical content knowledge for teaching these topics.

Level Restriction: Include GR.

MFT 520 - Survey of Mathematics (3)

A mathematics course for current middle school teachers. Content includes history and development of various aspects of mathematics from a problem-solving perspective. Course provides breadth in mathematics while connecting the topics covered to the middle school curriculum. Topics are chosen from: fractals, cardinality of sets, ethnomathematics, number theory, abstract algebra, combinatorics, and graph theory.

Class Restriction: Exclude Freshman and Sophomore.

MFT 522 - Topics in Middle Level Mathematics Teaching (3)

A combined mathematics/mathematics education course for current middle school teachers. Content includes mathematics topics appropriate for teachers of middle level mathematics.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course.

MFT 530 - Conceptions of Analytic Geometry and Calculus (3)

A mathematics course for current middle school teachers. Content includes history and development of various aspects of analytic geometry and calculus from a problem-solving perspective. Topics include: functions, basic concepts of trigonometry and basic concepts of calculus (rates of change, limits, finding area under curves). Topics will be approached from multiple perspectives and their connections to the middle school curriculum will be highlighted.

Class Restriction: Exclude Freshman and Sophomore.

MFT 540 - Mathematical Modeling and Problem Solving in Middle Level Mathematics Teaching (3)

Mathematics content course for current middle school teachers focusing on using mathematics to model real world problems using algebra content from the middle grades and technology.

Class Restriction: Exclude Freshman and Sophomore.

MUS - Music

College of Performing and Visual Arts

School of Music (p. 96)

MUS 501 - 18th Century Counterpoint (3)

Study through analysis and composition of counterpoint as found in the invention, canon, fugue and choral prelude.

Prerequisite: (MUS 401 and MUS 402 with a minimum grade of C). Level Restriction: Include GR.

MUS 502 - Harmony and Form (3)

Study 18th and early 19th century harmonic practice and tonality concepts.

Class Restriction: Exclude Freshman and Sophomore.

MUS 503 - Post-Tonal Music (3)

An overview of compositional approaches found in post-tonal music after 1900, and a survey of the standard analytical tools used for that body of music.

Class Restriction: Exclude Freshman and Sophomore and Junior.

MUS 504 - Music Theory Pedagogy (3)

Become familiar with methods and materials available for teaching AP and undergraduate music theory. Receive practical experience through observation and practice teaching under the guidance of qualified instructors.

Class Restriction: Exclude Freshman and Sophomore.

MUS 505 - Sixteenth Century Counterpoint (3)

Study the style of 16th century polyphonic music, emphasizing actual period music as well as theoretical concepts. Compose two-, three- and four voice motets.

Class Restriction: Exclude Freshman and Sophomore.

MUS 507 - History of Instruments and Instrumental Practices (3)

A historical study of the background and development of musical instruments, with emphasis on the related performance practices.

Class Restriction: Exclude Freshman and Sophomore.

MUS 508 - Workshop (1 - 4)

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

MUS 509 - Electronic Music (3)

Describe materials used in electronic music and the techniques and equipment employed to transform and organize these into compositions. Students learn to use the synthesizer.

Class Restriction: Exclude Freshman and Sophomore.

MUS 510 - Vocal Pedagogy (2)

An introduction to the science and teaching of singing. Study of the skeletal system, muscles involved in breathing and phonation, vocal acoustics, and learning theories, past and present.

Class Restriction: Exclude Freshman and Sophomore.

MUS 511 - Wind Band Literature and Techniques (2)

A survey of the origins, development and historical significance of the wind band, including an overview of its literature, instrumentation and specific considerations for conducting this repertoire.

Class Restriction: Exclude Freshman and Sophomore.

MUS 512 - Symphonic Repertoire (2)

Historical overview of the symphony, opera, and ballet orchestras and their literature. Addresses questions of style, performance practice, and programming. Includes specific study of conducting considerations for this repertoire and a unit of study on music for younger orchestras.

Class Restriction: Exclude Freshman and Sophomore.

MUS 513 - Professional Renewal (1 - 3)

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than the acquisition of general discipline knowledge or methodologies. S/U or letter graded.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

MUS 514 - String Chamber Music Literature, Styles, and Techniques (2)

Surveys the extensive range of string chamber music from Haydn to the present day, focusing on the canon. It is designed to inform string graduate students of the wealth of repertoire available, its technical and musical challenges, styles of performance, and programming considerations. Includes specific study of technical considerations for this repertoire and programming for college and pre-college chamber music programs.

Class Restriction: Exclude Freshman and Sophomore.

MUS 515 - Keyboard Literature I (2)

Sight reading at Level III or above required. The study of keyboard music from its earliest beginnings through the works of Frederic Chopin and Robert Schumann. Offered every other year.

Class Restriction: Exclude Freshman and Sophomore.

MUS 516 - Keyboard Literature II (2)

Sight reading at Level III or above required. Concentrate on keyboard works from Franz Liszt and Johannes Brahms through the twentieth century. Offered every other year.

Class Restriction: Exclude Freshman and Sophomore.

MUS 517 - Comprehensive String Pedagogy for String Players (3)

Pedagogy and practical application of technical literature from beginning through college preparatory for bowed stringed instruments (violin, viola, cello and bass). Teaching practicum is an integral part of the course.

Major/Minor Restriction: Include Music (and) Music Education. Type of Restriction For Major/Minor Code: Major(s). Class Restriction: Exclude Freshman and Sophomore.

MUS 518 - Foundation of Musical Leadership (2)

This is a seminar-based course examining leadership theory and research, and emphasizing the development of leadership and interpersonal skills through self-assessment case analysis, and experiential exercises.

Class Restriction: Exclude Freshman and Sophomore.

MUS 519 - Foundations of Music Education (3)

Study historical, philosophical and psychological issues and principles that provide the context for contemporary music education.

Class Restriction: Exclude Freshman and Sophomore.

MUS 520 - Music Theory for Educators (2)

This course covers diatonic and chromatic common-practice harmony, form, and 20th-century topics relevant to repertoire typically encountered by K-12 certified music teachers. Includes a unit on incorporating music theory pedagogy into the K-12 classroom. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore.
Course Fee: Course Fee Required.

MUS 521 - Music Wellness: How to Stay Healthy in Performance and the Classroom (2)

This course will cover health maintenance and injury prevention among musicians. Healthy movement, as well as vocal, auditory, and mental health will be studied through reading and written assignments, as well as awareness and practical application in class.

Class Restriction: Exclude Freshman and Sophomore.

MUS 522 - The Pedagogy of Improvisation (2)

This course is a focus on the art of improvisation and how to effectively teach it.

Class Restriction: Exclude Freshman and Sophomore.

MUS 523 - Body Mapping (1)

Designed to help participants correct and refine their body map in order to sing and play music with healthy, efficient movement. This course will not provide information about technique but will give students the information they need to put their technique on a firm somatic foundation. S/U graded.

Prerequisite: One year of study in Music at the college level. Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR. Course Fee: Course Fee Required.

MUS 524 - Technology for Music Educators (2)

This course will explore the role of digital technologies in creating, performing, and responding to music. An emphasis of the course will be the development of the students' Musical Technological Pedagogical and Content Knowledge (M-TPACK). The course is primarily designed for music teachers who wish to become more comfortable with technology and/or find technologies that are well-suited to the music classroom, through hands-on "play time." The technological focus of the class will include music notation software, MIDI and digital audio, instructional computer programs, Internet resources for music learning, social media, mobile apps, and productivity tools.

Class Restriction: Exclude Freshman and Sophomore.

MUS 525 - Teaching Music in Context (2)

This course illustrates ways music teachers can incorporate a humanities-based approach into their classroom teaching, ensembles, and private lessons for any age group. Lectures include demonstrations of humanities-based presentations as well as discussion. Assignments and Exams are designed to include practical application of the materials being presented.

Class Restriction: Exclude Freshman and Sophomore.

MUS 526 - Jazz Rhythm Section Workshop (1)

A listening workshop in jazz and commercial music for all instrumentalists. Topics will include important players, group communication, performance styles and classic rhythm sections.

Level Restriction: Include GR.

MUS 527 - Advanced Jazz Theory (2)

Advanced harmonic concepts in jazz including non-functional harmony, multi-tonic systems, advanced modal concepts, chord-scale relationships, and other aspects of contemporary harmonic practice in jazz music.

Class Restriction: Exclude Freshman and Sophomore.

MUS 532 - Beyond Talent: Career Development for Musicians (2)

This course will help prepare students for their professional careers by familiarizing them with a broad skill set necessary to succeed in the fast-changing music profession. Students will be guided to acquire the essential skills beyond musicianship by covering relevant topics through lectures, required reading, guest presentations, and the final project.

Class Restriction: Exclude Freshman and Sophomore.

MUS 533 - Curriculum Trends in Music Education (3)

Study curriculum trends in music education, including methods of teaching, curriculum development and aesthetic education.

Class Restriction: Exclude Freshman and Sophomore.

MUS 534 - Acting for Singers (2)

Instruction in the special needs of the singer/actor: staging of arias, improvisation, freeing the voice through movement.

Class Restriction: Exclude Freshman and Sophomore.

MUS 535 - Music Business – Industry Studies (2)

This course provides a detailed examination of important music industry topics such as music law and policy, music industry revenue streams, record music operations, music publishing, motion picture music, and industry trends and current topics.

Offered: Generally offered Fall Annually. Class Restriction: Exclude Freshman and Sophomore. Course Fee: Course Fee Required.

MUS 536 - German Art Song (2)

An introduction to the origins of the art song form with in-depth study of the German art song from its historical beginnings through the present day.

Class Restriction: Exclude Freshman and Sophomore.

MUS 537 - Music Business for the 21st Century Musician (2)

Provides an understanding of the music industry and how to succeed within it. Through the lens of an entrepreneurial musician, this course examines topics such as music management, fan relations, contracts, brand organization and protection, marketing and self-promotion, fundraising for creative projects and more.

Offered: Generally offered Spring Annually. Class Restriction: Exclude Freshman and Sophomore. Course Fee: Course Fee Required.

MUS 538 - French/Italian Art Song (2)

Course in the performance of 19th and 20th century French and Italian Art Song with particular emphasis upon style, technical requirements and diction.

Class Restriction: Exclude Freshman and Sophomore.

MUS 539 - British/American Art Song (2)

In-depth study of British and American art song. Emphasis will be on research and performance of 20th century materials.

Class Restriction: Exclude Freshman and Sophomore.

MUS 540 - Techniques of Vocal Coaching for Pianists (2)

Acquaint piano students with musical style, performance practice, and interpretations appropriate to song literature, oratorio and opera.

Class Restriction: Exclude Freshman and Sophomore.

MUS 541 - Chamber Music Literature for Keyboard (2)

This course will acquaint students with literature for keyboard with other instruments, both in duos and larger ensembles.

Class Restriction: Exclude Freshman and Sophomore.

MUS 542 - Jazz Pedagogy (2)

Takes a pedagogical approach to the analysis of jazz ensemble scores, rehearsal techniques and rhythm sections. Looks at concert planning and audience building.

Major/Minor Restriction: Include Music (and) Music Education. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

MUS 543 - Jazz Program Administration, Planning and Development (2)

Deal with public relations, grant writing, promotion, programming, recruiting and other aspects of the development of a Jazz Studies Program. Learn planning and follow-through of the annual Jazz Festival.

Major/Minor Restriction: Include Music (and) Music Education. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

MUS 544 - Seminar in Jazz History (3)

An in-depth study of the history, historiography, and literature of jazz from its precursors to the present. Research, listening, and critical writing skills are stressed.

Class Restriction: Exclude Freshman and Sophomore.

MUS 546 - Arranging (2)

Fundamental considerations in arranging music for small instrumental jazz ensembles and vocal jazz groups. Stylistic elements of melody, harmony, rhythm, texture, and form. Details of notation, score preparation and layout.

Class Restriction: Exclude Freshman and Sophomore. Course Fee: Course Fee Required.

MUS 547 - Advanced Arranging (2)

Discussion of common techniques used by great arrangers. Prepares students to write arrangements for large jazz ensemble and studio orchestra.

Prerequisite: MUS 546 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

MUS 548 - Accompanying and Coaching I (2)

Acquaint students with necessary skills for collaborative performance through the study of listening, rhythm, sight reading, technique and 4-hand repertoire. Class performances required.

Class Restriction: Exclude Freshman and Sophomore. Repeatable Status: Course is repeatable with no limitations.

MUS 549 - Accompanying and Coaching II (2)

Acquaint students with skills needed for collaborative performance through score reduction and discussion, listening and performance of song and instrumental literature. Class performances required.

Prerequisite: MUS 548 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore. Repeatable Status: Course is repeatable with no limitations.

MUS 550 - Score Reading and Analysis (1)

Analysis of wind/orchestral/choral literature. Relates analysis techniques to preparation and performance. Literature studied varies from semester to semester.

Class Restriction: Exclude Freshman and Sophomore. Repeatable Status: Course may be repeated 3 times.

MUS 551 - Individual Instruction in Conducting (1)

Study of advanced problems in instrumental conducting. Regular conducting experience with University ensembles is an integral part of the course.

Class Restriction: Exclude Freshman and Sophomore.
Repeatable Status: Course is repeatable with no limitations. Course Fee: Private Music Lesson Fee Required.

MUS 552 - Piano Pedagogy I (2)

A one semester course concentrating on beginning piano and elementary musicianship. The course will provide a thorough introduction to methods, materials, resources, and techniques for teaching at the elementary level. Students will also survey a substantial amount of elementary to early intermediate piano repertoire.

Class Restriction: Exclude Freshman and Sophomore.

MUS 553 - Piano Pedagogy II (2)

A one semester course focusing on the intermediate to early advanced piano student curriculum. The course will provide a thorough overview of the technical and musical requirements needed to develop students at the intermediate to early advanced level. Students will also survey a substantial amount of intermediate to early advanced piano repertoire.

Prerequisite: MUS 552 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

MUS 555 - Seminar in Jazz Composition (2)

Examination of compositional techniques in jazz styles. Analysis of works by important representative songwriters and composers.

Level Restriction: Include GR.

MUS 556 - Recording Techniques (2)

Through reading, discussion, listening sessions, independent research, technical tutorials, and hands-on projects, we will examine the theory, techniques and practices surrounding audio recording.

Offered: Generally offered Fall Annually. Class Restriction: Exclude Freshman and Sophomore. Course Fee: Course Fee Required.

MUS 557 - Ensemble Participation (0)

This course is designed as a performance opportunity for students placed in School of Music ensembles. S/U graded.

Special Notes: Consent of advisor required Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Course Fee Required.

MUS 558 - Choral Literature and Techniques (2)

Examines selected choral orchestral works from the Baroque to the present. Includes specific study of conducting considerations for this repertoire.

Class Restriction: Exclude Freshman and Sophomore.

MUS 559 - Opera History and Literature (2)

Examine the historical significance and literature of the opera form from its precursors through the present time.

Class Restriction: Exclude Freshman and Sophomore.

MUS 560 - Opera Directing Seminar (1 - 3)

Study repertoire, floor plans, stage properties, hand properties, costume needs, make-up needs, and staging.

Class Restriction: Exclude Freshman and Sophomore.
Repeatable Status: Course is repeatable with no limitations.

MUS 561 - Vocal Coaching for Singers (1)

Instruction for graduate voice students in a studio class setting to deepen their understanding of the many elements that combine to make a successful performance of vocal music from a vocal coach's perspective: musical style, performance practice, language and interpretation appropriate to song literature, oratorio and opera.

Class Restriction: Exclude Freshman and Sophomore.
Repeatable Status: Course is repeatable with no limitations.

MUS 564 - Problems in Teaching Voice (2)

Emphasis is placed upon practical aspects of vocal pedagogy: repertoire selection, program building, learning theories and teaching concepts. Advanced studies in vocal acoustics and anatomy and vocal problems are included.

Prerequisite: MUS 510 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

MUS 580 - String Techniques for the Conductor (2)

The conductor will acquire the necessary skills to make musical and technical decisions based on a thorough understanding of orchestral string techniques.

Class Restriction: Exclude Freshman and Sophomore.

MUS 585 - Advanced Jazz Improvisation (2)

Study advanced jazz theory principles and apply to keyboard and other instrumental and vocal disciplines. Course content will change each semester.

Class Restriction: Exclude Freshman and Sophomore.
Repeatable Status: Course is repeatable with no limitations.

MUS 595 - Music Theory Seminar (3)

Graduate level seminar on a specified topic in music theory.

Special Notes: Prerequisites - Graduate students must have a passing grade on the Graduate Music Theory and Aural Skills Placement Exams, or have successfully completed MUS 401 and/or MUS 402. Undergraduate students eligible to take 500-level courses must have successfully completed MUS 302 Form and Analysis and have instructor approval. Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

MUS 600 - Introduction to Musical Scholarship (2)

Examines attitudes and aims of the music scholar, studies in bibliography reference materials, sources, and editions. Required of all Master's of Music candidates. Must be taken as early as possible.

Level Restriction: Include GR.

MUS 603 - Analytical Studies in Music (3)

Mastery of traditional harmony required. Students analyze the structure of music.

Level Restriction: Include GR.

MUS 604 - Linear Analysis (3)

A study of the application of linear and graphic analysis to music, performance, and music theory.

Offered: Generally offered Spring Odd Years. Level Restriction: Include GR.

MUS 605 - English Diction (1)

Designed to increase proficiency in singing in English (British and American). Review the International Phonetic Alphabet (IPA), its rules and applications, and to strengthen the performance of choral, art song, oratorio and operatic repertoire. This course will focus on an intensified, systematic study of phonetics as it applies to singing and will increase the student's clarity of expression in those languages.

Level Restriction: Include GR.

MUS 606 - German Diction (1)

This course is designed for the graduate level, pre-professional singer who is ready to fine-tune their performance of operatic and art song repertoire by acquiring additional tools for correctly using the articulators, the International Phonetic Alphabet and the speech sounds of the different vowels and consonants.

Level Restriction: Include GR.

MUS 607 - French Diction (1)

This course is designed for the graduate level, pre-professional singer who is ready to fine-tune their performance of operatic and art song repertoire by acquiring additional tools for correctly using the articulators, the International Phonetic Alphabet and the speech sounds of the different vowels and consonants.

Level Restriction: Include GR.

MUS 608 - Italian Diction (1)

Designed to increase proficiency in singing in Italian using the International Phonetic Alphabet (IPA), its rules and applications, and to strengthen the performance of Italian repertoire. This course will focus on an intensified, systematic study of phonetics as it applies to singing and will increase the student's clarity of expression in those languages. Repertoire will be assigned by the instructor from the 26 Italian Art Songs text and from Italian operas to be determined.

Level Restriction: Include GR.

MUS 610 - Research in Music Education (3)

Develop concepts and skills for understanding and evaluating research in music education. Study the design and techniques of empirical research in music education. Complete research study to submit for publication.

Level Restriction: Include GR.

MUS 612 - Psychology of Music Teaching and Learning (3)

Introduces concepts of psychology in the acquisition and development of musical cognition, affect, and physiological response. Combines study of empirical research and practical approaches for use in the classroom.

Level Restriction: Include GR.

MUS 619 - Latin Music Ensemble (1)

Open to any graduate student by audition. Rehearse and perform music in genres and styles from Mexico, Central America, South America, and the Caribbean.

Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations. Course Fee: Course Fee Required.

MUS 620 - Jazz Guitar Ensemble (1)

Auditions required. Comprised of several guitarists and a rhythm section, the jazz Guitar Ensemble studies and performs music from diverse jazz styles arranged for this specific combination of instruments.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

MUS 621 - Small Jazz Ensembles (1)

Open to any student by audition. Groups consist of rhythm section plus 3 or 4 horns. Groups are listed in Music degree section of this Catalog.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

MUS 622 - Directed Studies in Music (1 - 4)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

MUS 623 - Individual Studies in Effective Teaching (1 - 3)

Designed according to candidate's primary emphasis and satisfies the Seminar in Teaching (discipline) required of all D.A. candidates in Music.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 3 credit hours.

MUS 624 - Vocal Jazz Ensembles (1)

Audition required. Each ensemble limited to 20 voices: 4 sopranos, 4 altos, 4 tenors, 4 baritones, 4 basses, plus rhythm section and horns.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

MUS 625 - Jazz Ensembles (1)

Audition required. Instrumentation is brass, woodwind and rhythm. Concentrate on jazz idiom music: show and dance music and concert jazz. Receive thorough preparation for teaching at both secondary and college levels.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

MUS 626 - Orchestral Excerpts (1)

Emphasis is on professional level performance of standard orchestral literature at the graduate level.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

MUS 628 - UNC Early Music Ensemble (1)

NC Early Music Ensemble performs pre-Classical Era music in a historically informed style, on period instruments whenever possible. Repeatable, no limitations.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

MUS 629 - UNC Contemporary Music Ensemble (1)

The UNC Contemporary Music Ensemble performs music of our time, including modern masterpieces as well as commissioned works, in collaboration with composers whenever possible.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations. Course Fee: Course Fee Required.

MUS 630 - Small Ensembles and Chamber Music (1)

Small chamber groups that rehearse regularly and are coached by a faculty member.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

MUS 631 - Applied Music Instruction (1)

Individual instruction on technique, performance practice, and literature.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations. Course Fee: Private Music Lesson Fee Required.

MUS 632 - Music Composition Instruction (1)

Individual instruction in music composition.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations. Course Fee: Private Music Lesson Fee Required.

MUS 636 - Individual Instruction in Jazz (2)

Private instruction in performance practice, technical study, and literature relevant to jazz.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations. Course Fee: Private Music Lesson Fee Required.

MUS 637 - Individual Instruction in Jazz Composition (2)

Individual instruction in jazz composition.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations. Course Fee: Private Music Lesson Fee Required.

MUS 641 - Standard Latin & Jazz Repertoire (1)

Students will become familiar with the large body of compositions that comprise standard repertoire in Latin music and Jazz. Course will include the study of composers, melodies, lyrics, chord progressions and recordings. Students will also learn techniques for song memorization.

Offered: Generally offered Fall Odd Years. Level Restriction: Include GR.

MUS 643 - Seminar: Medieval Music (3)

A study of musical style in its historical, theoretical and practical aspects during the Middle Ages.

Level Restriction: Include GR.

MUS 644 - Seminar: Music in the Renaissance (3)

A cultural and historical examination of music and musical style during the 15th and 16th centuries. Flemish composers, the Madrigal, the Venetian School and similar subjects will receive special attention.

Level Restriction: Include GR.

MUS 645 - Seminar: The Baroque Period (3)

Music from 1600 to 1750. Investigates opera from Florentine beginnings through Venetian, Neapolitan and French styles to 1750; growth of chamber, orchestral and solo instrumental music, and religious vocal music.

Level Restriction: Include GR.

MUS 646 - Seminar: The Classic Period (3)

Historical and cultural influences bearing upon emergence of 18th century classicism in music. The composers, representative works, forms, styles and media of the Classic era.

Level Restriction: Include GR.

MUS 647 - Seminar: The Romantic Period (3)

Representative composers, musical styles, works, related literary movements, aesthetic theories and musical criticism of the period will be researched and discussed.

Level Restriction: Include GR.

MUS 649 - Music History Pedagogy (3)

Surveys philosophical approaches and methods to the teaching of Music Appreciation, Music History, and more specialized courses.

Level Restriction: Include GR.

MUS 650 - Seminar: Choral Music (2)

A seminar to allow discussion of a variety of subjects related to choral literature. Individual projects will be assigned, calling for creative research.

Level Restriction: Include GR.

MUS 651 - Seminar in Music History: Debussy to 1945 (3)

This course studies the major trends in music from Debussy to 1945, accompanied by investigations into their social and cultural bases. Particular attention is devoted to the technical aspects of this music.

Level Restriction: Include GR.

MUS 652 - Seminar in Music History: 1945 to the Present (3)

This course is presented in three simultaneous components-history, analysis, and literature-and explores styles and development of a variety of movement that led directly to today's concert music. Surveys of serialism, minimalism, neo-Romanticism, and the influence of pop on music of today are included in this course emphasizing history, analysis, and literature.

Level Restriction: Include GR.

MUS 653 - Vocal Literature and Styles (3)

A study of the stylistic, aesthetic and repertorial aspects of vocal music, including opera and choral music, through the various historical periods in music.

Level Restriction: Include GR.

MUS 654 - UNC Alternative Styles Ensemble (1)

The UNC Alternative Styles Ensemble will explore non-classical styles and performance techniques through regular rehearsals and performances.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

MUS 656 - UNC European Summer Opera Program (1 - 6)

Audition Required. Practical experience in the production and performance of a complete operatic works in professional productions in Europe. Techniques of acting, singing, character analysis and stage direction will be studied.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

MUS 657 - Instrumental Literature and Styles (3)

A study of the stylistic, aesthetic and repertorial aspects of instrumental music, including orchestral and chamber music, through the various historical periods in music.

Level Restriction: Include GR.

MUS 658 - Brass Pedagogy (3)

In-depth study of brass materials and performance techniques. Examines brass teaching problems encountered by teachers at the K-12 and college levels.

Level Restriction: Include GR.

MUS 659 - College Piano Teaching (3)

This seminar will prepare students to teach applied piano at the college level. It will be concerned primarily with pedagogical approaches to advanced repertoire typical for the undergraduate piano major. In-class teaching opportunities with real undergraduates will assist in honing teaching skills and gaining confidence teaching at the college level.

Level Restriction: Include GR. Course Fee: Course Fee Required.

MUS 661 - Percussion Pedagogy (2)

Explore advanced techniques, methods and materials related to all the percussion instruments.

Level Restriction: Include GR.

MUS 662 - Woodwind Pedagogy (2)

In depth study of teaching material and techniques related to the flute, clarinet, saxophone, oboe, or bassoon.

Major/Minor Restriction: Include Music (and) Music Education. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

MUS 663 - Trumpet Literature and Pedagogy (2)

In depth study of literature and pedagogical techniques as related to the trumpet.

Major/Minor Restriction: Include Music. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

MUS 664 - Seminar in Piano Pedagogy: Language, Culture and Piano Teaching (3)

This seminar will explore the many intersections of language, culture and piano teaching to enhance students' ability to teach effectively both within their native cultural context and outside it. The class is conceived for both native English speakers and students for whom English is a foreign language. No foreign language skills are required.

Level Restriction: Include GR.

MUS 665 - Individual Instruction in Collaborative Piano (2)

In depth study of repertoire and refinement of skills for the collaborative pianist.

Special Notes: Consent of instructor required. Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations. Course Fee: Private Music Lesson Fee Required.

MUS 666 - Chamber Choir (1)

Audition Required. The UNC Chamber Choir is a highly select auditioned vocal ensemble typically comprised of 16 to 32 performers. The group performs a wide variety of choral chamber works in concerts throughout the year and may tour regularly.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

MUS 667 - University Symphony Orchestra (1)

Audition required. Comprised of the best string, wind, brass, and percussion players. Reads and performs standard orchestra repertoire. Performs on and off campus.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

MUS 668 - UNC Campus String Orchestra (1)

This course is open to all Graduate bowed string instrument players on campus (violin, viola, cello, bass). Players are expected to have several years of experience in order to be successful with the required repertoire. Each semester the Orchestra will rehearse and prepare for concerts on campus and/or in the community. **String majors are expected to audition for the UNC Symphony Orchestra each year before enrolling in Campus Orchestra (on their primary instrument).

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations. Course Fee: Course Fee Required.

MUS 670 - Individual Instruction in Voice (2)

Individual instruction on technique, performance practice and literature.

Offered: Generally offered Fall and/or Spring Annually. Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations. Course Fee: Private Music Lesson Fee Required and Course Fee Required.

MUS 671 - Individual Instruction in Piano (2)

Individual instruction on technique, performance practice and literature.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations. Course Fee: Private Music Lesson Fee Required.

MUS 672 - Individual Instruction in Folk and Bluegrass (2)

Individual instruction on technique, performance practice, and literature for performance majors.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations. Course Fee: Private Music Lesson Fee Required.

MUS 673 - Individual Instruction in Strings (2)

Individual instruction on technique, performance practice and literature.

Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations. Course Fee: Private Music Lesson Fee Required and Course Fee Required.

MUS 674 - Individual Instruction in Woodwinds (2)

Individual instruction on technique, performance practice and literature.

Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations. Course Fee: Private Music Lesson Fee Required and Course Fee Required.

MUS 675 - Individual Instruction in Brass (2)

Individual instruction on technique, performance practice and literature.

Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations. Course Fee: Private Music Lesson Fee Required and Course Fee Required.

MUS 676 - Individual Instruction in Percussion (2)

Instruction on technique, performance practice, and literature.

Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR. Course Fee: Differential Tuition and Private Music Lesson Fee Required.

MUS 677 - Individual Instruction in Composition (2)

Individual instruction in music composition.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations. Course Fee: Private Music Lesson Fee Required.

MUS 678 - Individual Instruction in Harp or Guitar (2)

Instruction on technique, performance practice, and literature.

Offered: Generally offered Fall and/or Spring Annually.
Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition and Private Music Lesson Fee Required.

MUS 680 - Mixed Concert Choir (1)

Audition required. Limited to approximately 60-65 singers. Open to all students. The Choir performs a wide range of literature: classics to contemporary works. Widely recognized for its excellence, the Concert Choir performs concerts on campus and tours annually.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

MUS 681 - Women's Glee Club (1)

Audition required. Open to all female students. Performs on campus and joins with the Concert Choir in large masterworks with orchestra.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

MUS 682 - University Singers (1)

The University Singers is open to all the university community and performs a wide variety of choral repertoire, from Renaissance motets to contemporary works.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

MUS 684 - Men's Glee Club (1)

Audition required. Open to all male students. Performs on campus and in the community. Sings a wide variety of literature.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

MUS 685 - Performance in Opera Theatre (1)

Audition required. Practical experience in the production and performance of a complete operatic work. Techniques of acting, singing, character analysis and stage direction will be studied.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

MUS 686 - Scene Studies in Opera (1)

Audition required. Studying techniques of acting, singing, character analysis and stage deportment through the staging and performing of selected opera scenes and arias.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

MUS 688 - Concert Band (1)

Audition required. Comprised of music majors and students from other disciplines. Members perform a wide variety of interesting literature selected from standard and current repertoire.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

MUS 690 - Symphonic Band (1)

Audition required. Performs literature drawn from contemporary and traditional repertoire.

Major/Minor Restriction: Include Music (and) Music Education. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

MUS 691 - Wind Ensemble (1)

Audition required. Comprised of the most outstanding wind and percussion majors in the School of Music. The ensemble performs a repertoire of works requiring from 8 to 35 performers.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

MUS 693 - Practicum in Music (1 - 4)

Supervised professional activity in the major field, approximately two hours per day. Two copies of a well-written paper must be filed with instructor before credit is given.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

MUS 694 - Master's Recital (2)

Student will prepare and present a public recital of suitable repertoire under the guidance of the applied studio professor.

Level Restriction: Include GR.

MUS 695 - Special Topics in Music (1 - 4)

A seminar covering areas in performance, research, education, history and theory that are of concern to the contemporary graduate student. Topics will vary according to student interest and needs.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under

different subtitles with no limits on the number of times it can be repeated.

MUS 699 - Thesis (1 - 6)

Consult respective area for specific requirements. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

MUS 700 - Introduction to Doctoral Research (3)

Analytical studies in music writing and research techniques for dissertation and field studies; survey critical problems in music; prepare research and proposal outlines.

Level Restriction: Include GR.

MUS 794 - Supervised Practicum in College Teaching (2)

Observe and practice college teaching under supervision and as a basis for analysis of learning experiences.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

MUS 797 - Doctoral Proposal Research (1 - 4)

Doctoral Proposal Research - Required of all doctoral students.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 4 credit hours.

MUS 799 - Doctoral Dissertation (1 - 12)

Doctoral Dissertation - Required of all doctoral candidates.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

NURS - Nursing

College of Natural and Health Sciences

School of Nursing (p. 93)

NURS 504 - Quality and Safety in Health Care Systems (3)

Application of quality of care and patient safety standards, performance measures, improvement methods and tools, and culture of safety principles within a healthcare organization/system

Major/Minor Restriction: Include Nursing (and) Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 507 - Policy, Leadership and Nursing Issues (3)

Involves comprehensive investigation and analysis of health care systems, health policy, organizational theory and leadership theory and skills which are imperative in today's health care environment.

Major/Minor Restriction: Include Nursing (and) Nursing.
Type of Restriction For Major/Minor Code: Major(s).
Level Restriction: Include GR.

NURS 508 - Workshop (1 - 3)

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

NURS 513 - Professional Renewal (1 - 3)

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than the acquisition of general knowledge or methodologies. S/U or letter grades.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

NURS 601 - Theoretical Foundations for Advanced Nursing (3)

Introduction to interdisciplinary theoretical foundations for advanced nursing practice. Emphasis on the development, application, and critique of theories from nursing, social science, business and health care.

Major/Minor Restriction: Include Nursing (and) Nursing.
Type of Restriction For Major/Minor Code: Major(s)/Minor(s). Level Restriction: Include GR.

NURS 602 - Theory for Advanced Practice Nurses (2)

Introduction to the theoretical foundations for advanced nursing practice. Emphasis is on the development, application, and critique of nursing and interdisciplinary theories.

Offered: Generally offered Fall Annually. Major/Minor Restriction: Include Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 606 - Research and Evidence-based Practice in Nursing (3)

Development of knowledge and skills for reviewing and ethically generating evidence as a basis for evidence-based

clinical practice, nursing research, and quality improvement.

Major/Minor Restriction: Include Nursing (and) Nursing (and) Adult Gero Acute Nurs Prac. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 608 - Advanced Health Care Concepts (3)

Application of quality and patient safety standards, performance measures, use of informatics, collaborative/interdisciplinary care, improvement methods and tools, health care finance and culture of safety within a healthcare organization.

Major/Minor Restriction: Include Nursing (and) Nursing.
Type of Restriction For Major/Minor Code: Major(s).
Level Restriction: Include GR.

NURS 609 - Foundations in Public Health for Advanced Practice Nurses (3)

This course examines the historical and conceptual basis of public health, key issues, advancements and the core functions of the public health system to advance the public's health.

Major/Minor Restriction: Include Nursing (and) Nursing (and) Adult Gero Acute Nurs Prac. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 612 - Advanced Pharmacology (4)

Examine clinical pharmacokinetics and pharmacotherapeutics. Focus on selected drug groups and their safe and appropriate utilization in primary care practice.

Level Restriction: Include GR.

NURS 613 - Advanced Health Assessment (4)

(3 lecture, 2 laboratory) Emphasis is in health history taking, physical assessment and interviewing of individuals across the lifespan.

Prerequisite: (NURS 612 and NURS 614 with a minimum grade of B). Major/Minor Restriction: Include Nursing (and) Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Course Fee: Assessment Fee Required and Course Fee Required.

NURS 614 - Advanced Pathophysiology (3)

Focus on pathophysiology, symptomology and etiology of commonly encountered acute and chronic clinical entities of children and adults.

Level Restriction: Include GR.

NURS 616 - Leadership in the Measurement of Clinical Outcomes for Advanced Nursing Practice (3)

Introduction to the measurement, interpretation and presentation of healthcare outcomes with focus on quality, effectiveness, and organizational performance. Integrates the application and integration of statistical tools to identify relevant outcomes.

Offered: Generally offered Fall Annually. Program Restrictions: Include Nursing:Lead Qual & Safety-MSN and Nursing-DNP and Nursing:Family Nurs Prac-DNP. Level Restriction: Include GR.

NURS 618 - Epidemiology in Advance Nursing Practice (3)

Principles of epidemiology and understanding of biostatistics will be applied to population management of disease and intervention strategies.

Program Restrictions: Include Nursing-DNP and Nursing:AGACNP-DNP and Nursing:Family Nurs Prac-DNP . Major/Minor Restriction: Include Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 621 - Leadership in the Management of Clinical Outcomes to Improve Quality and Safety of Care (4)

(3 Lecture, 3 Practicum) Introduction to the management and improvement of clinical outcomes for individuals, families and populations within the care delivery system.

Offered: Generally offered Fall Annually. Program Restrictions: Include Nursing:Lead Qual & Safety-MSN. Level Restriction: Include GR. Course Fee: Supervision Fee Required.

NURS 622 - Directed Studies (1 - 3)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

NURS 624 - Health Promotion and Disease Prevention in Advanced Practice of Nursing (3)

Prepares the APN student to plan and implement health promotion and disease prevention strategies to assist in maintaining and improving the health of patients, families and communities.

Major/Minor Restriction: Include Family Nurse Practitioner Cert (and) Nursing (and) Nursing (and) Adult Gero Acute Nurs Prac. Type of Restriction For Major/Minor Code: Major(s)/Minor(s). Level Restriction: Include GR.

NURS 626 - Leadership in the Management of Care Environment to Improve Quality and Safety of Care (4)

(3 Lecture, 3 Practicum) Introduction to the management and improvement of the care environment for individuals, families and populations within the care delivery system.

Offered: Generally offered Spring Annually. Program Restrictions: Include Nursing:Lead Qual & Safety-MSN. Level Restriction: Include GR. Course Fee: Supervision Fee Required.

NURS 628 - Information Technology in Health Care (3)

Use and application of computerized systems to clinical decision strategies for advanced practice nurses in the areas of quality management.

Major/Minor Restriction: Include Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 631 - Teaching Strategies for Practice and Academic Settings to Improve the Quality and Safety of Care (3)

(2 Lecture, 3 Practicum) Development of knowledge about teaching students, staff and clients in academic and practice settings.

Offered: Generally offered Spring Annually. Program Restrictions: Include Nursing:Lead Qual & Safety-MSN and Nursing Education-Cert. Level Restriction: Include GR. Course Fee: Supervision Fee Required.

NURS 632 - Clinical Instruction and Precepting in Nursing (3)

Development of theoretical and practical knowledge to support successful transition from a clinical expert role to that of a clinical instructor/preceptor.

Level Restriction: Include GR.

NURS 638 - Concepts in Advanced Evidence-Based Practice (3)

Emphasis is on the systematic evaluation and use of current best evidence to make decisions about clinical practice and health care systems.

Major/Minor Restriction: Include Nursing (and) Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 646 - Integrative Clinical Concepts (4)

Introduction and overview of the integrative concepts of pathophysiology, pharmacology, and health assessment within the context of individual, family, and populations.

Major/Minor Restriction: Include Nursing (and) Nursing (and) Nursing Education. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 654 - Acute Care of Adults (3)

(2.5 lecture, 1 laboratory) Application of theoretical and research based developmental approaches to primary care of adults with acute episodic conditions.

Prerequisite: (NURS 612 and NURS 613 and NURS 614 and NURS 624 with a minimum grade of B). Offered: Generally offered Spring Annually. Major/Minor Restriction: Include Family Nurse Practitioner (and) Family Nurse Practitioner Cert. Type of Restriction For Major/Minor Code: Major(s)/Minor(s). Level Restriction: Include GR. Course Fee: Assessment Fee Required and Course Fee Required.

NURS 656 - Care of Chronic Illness in Adults (3)

(2.5 lecture, 1 laboratory) Application of theoretical and research based developmental approaches to primary health care of adults with chronic illness.

Prerequisite: (NURS 612 and NURS 613 and NURS 614 and NURS 624 with a minimum grade of B). Offered: Generally offered Spring Annually. Major/Minor Restriction: Include Family Nurse Practitioner (and) Family Nurse Practitioner Cert. Type of Restriction For Major/Minor Code: Major(s)/Minor(s). Level Restriction: Include GR. Course Fee: Assessment Fee Required and Course Fee Required.

NURS 658 - Applied Nursing Genomics (3)

A genomics focus on concepts of prevention, screening, diagnostics, prognostics, selection of treatment, and monitoring of treatment effectiveness for individuals and aggregates within cultural and ethical care contexts.

Major/Minor Restriction: Include Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 661 - Planning and Evaluating Education in Practice and Academic Settings (3)

Focus on development of education programs in health care settings and academic nursing. Includes evaluation of teaching and learning.

Level Restriction: Include GR.

NURS 662 - Advanced Emergency Care I (3)

Develops the foundation for advanced practice management of patients across the lifespan with acute (urgent and emergent) health problems.

Major/Minor Restriction: Include Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 663 - Emergency Procedures & Lab I (1)

Critical skills intensive focusing on advanced practice skills for the emergency care environment including: airway management, chest tube insertion, central line insertion and management, ultrasound, lumbar puncture, and suturing. S/U graded.

Major/Minor Restriction: Include Emergency Nurse Pract Cert. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Course Fee: Assessment Fee Required and Course Fee Required and Participation Fee Required and Supervision Fee Required.

NURS 664 - ENP Clinical I (2)

The focus of this first clinical course is the beginning application of didactic and simulated learning to the live clinical setting. S/U graded.

Prerequisite: (Concurrent Prerequisite NURS 662 with a minimum grade of B) and (Concurrent Prerequisite NURS 663 with a minimum grade of S). Major/Minor Restriction: Include Emergency Nurse Pract Cert. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Course Fee: Participation Fee Required and Supervision Fee Required.

NURS 668 - Population Centered Health Care (3)

Examines perspectives of population based health care across the life span from a community and global perspective.

Major/Minor Restriction: Include Nursing (and) Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 669 - FNP Clinical III (3)

The focus of this course is application of didactic and simulated learning in FNP diagnosis and management courses to the live clinical setting. S/U graded.

Prerequisite: NURS 677 with a minimum grade of S.. Offered: Generally offered Summer Annually. Program Restrictions: Include Family Nurse Practitioner (and) Family Nurse Practitioner Cert. Major/Minor Restriction: Include Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Course Fee: Participation Fee Required and Supervision Fee Required.

NURS 671 - Advanced Emergency Care II (3)

This course continues the development of advanced practice management of patients across the lifespan with acute (urgent and emergent) health problems.

Prerequisite: (NURS 662 with a minimum grade of B) and (NURS 663 with a minimum grade of S) and (NURS 664 with a minimum grade of S). Major/Minor Restriction: Include Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 672 - Emergency Procedures and Lab II (1)

Critical skills intensive focusing on advanced practice skills for the emergency care environment including: airway management, intraosseous access management, ultrasound and simulation with standardized patients. S/U graded.

Major/Minor Restriction: Include Emergency Nurse Pract Cert. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Course Fee: Assessment Fee Required and Course Fee Required and Participation Fee Required and Supervision Fee Required.

NURS 673 - ENP Clinical II (2)

This course provides for intermediate application of didactic and simulated learning in the live emergency care. S/U graded.

Prerequisite: (NURS 662 and Concurrent Prerequisite NURS 671 with a minimum grade of B) and (NURS 663 and Concurrent Prerequisite NURS 672 with a minimum grade of S). Offered: Generally offered Spring Annually. Major/Minor Restriction: Include Emergency Nurse Pract Cert. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Course Fee: Participation Fee Required and Supervision Fee Required.

NURS 674 - Care of Women and Pediatric Populations (3)

(2 lecture, 2 laboratory) Application of theoretical and research-based developmental approaches to primary health care of families with particular emphasis on care of women, obstetric, and pediatric populations.

Prerequisite: (NURS 612 and NURS 613 and NURS 614 and NURS 624 and NURS 654 and NURS 656 with a minimum grade of B). Offered: Generally offered Summer Annually. Major/Minor Restriction: Include Family Nurse Practitioner (and) Family Nurse Practitioner Cert. Type of Restriction For Major/Minor Code: Major(s)/Minor(s). Level Restriction: Include GR. Course Fee: Assessment Fee Required and Course Fee Required.

NURS 675 - FNP Clinical I (4)

The focus of this course is application of didactic and simulated learning in FNP diagnosis and management courses to the live clinical setting. S/U graded.

Prerequisite: (NURS 654 and NURS 656) with a minimum grade of B.. Offered: Generally offered Fall Annually. Major/Minor Restriction: Include Nursing. Type of Restriction For Major/Minor Code: Major(s)/Minor(s). Level Restriction: Include GR. Course Fee: Participation Fee Required and Supervision Fee Required.

NURS 676 - FNP Advanced Clinical Topics (2)

Application of theoretical and research based developmental approaches to complex, advanced clinical topics seen in the primary care setting.

Prerequisite: (NURS 612 and NURS 613 and NURS 614 and NURS 624 and NURS 654 and NURS 656 with a minimum grade of B). Offered: Generally offered Fall Annually. Major/Minor Restriction: Include Family Nurse Practitioner (and) Family Nurse Practitioner Cert. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 677 - FNP Clinical II (4)

The focus of this course is application of didactic and simulated learning FNP diagnosis and management courses to the live clinical setting. S/U graded.

Prerequisite: NURS 675 with a minimum grade of S.. Offered: Generally offered Spring Annually. Major/Minor Restriction: Include Family Nurse Practitioner (and) Family Nurse Practitioner Cert. Type of Restriction For Major/Minor Code: Major(s)/Minor(s). Level Restriction: Include GR. Course Fee: Participation Fee Required and Supervision Fee Required.

NURS 678 - Professional Practice and Healthcare Finance Seminar (3)

(2 lecture, 3 practicum) Forty-five hours applied practicum arranged. Comprehensive economic investigation of health planning, organization, personnel, payment systems and care cost effectiveness in health care delivery systems.

Program Restrictions: Include Nursing-DNP and Nursing:AGACNP-DNP and Nursing:Family Nurs Prac-DNP . Major/Minor Restriction: Include Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 679 - Technology in Healthcare Education (3)

Course is designed for graduate students who will function in a healthcare educator role. Use of virtual, distance/online, simulation and emerging technologies, in education of healthcare professionals will be examined.

Level Restriction: Include GR.

NURS 685 - DNP Practicum (1 - 7)

Applied practicum arranged (45 hours = 1 credit). Practicum in hospital, community, and primary care settings focusing on clinical prevention and population based health care. S/U graded.

Major/Minor Restriction: Include Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

NURS 688 - Advanced Nursing Leadership in Health Care Systems (3)

45 hours applied practicum arranged. Analyzes the structure and organization of health care delivery systems including population-based, acute and ambulatory health care. The roles of the DNP in organizational and systems policy are addressed.

Major/Minor Restriction: Include Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 689 - FNP Clinical Synthesis (1 - 6)

Application of didactic and simulated learning of FNP coursework to the live clinical setting. S/U graded.

Prerequisite: NURS 669 with a minimum grade of S.. Offered: Generally offered Fall and/or Spring Annually. Major/Minor Restriction: Include NURS. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Participation Fee Required and Supervision Fee Required.

NURS 690 - Advanced Professional Role (2)

Advanced practice role development in health maintenance and illness management is examined from several perspectives.

Major/Minor Restriction: Include Family Nurse Practitioner Cert (and) Nursing (and) Nursing (and) Adult Gero Acute Nurs Prac. Type of Restriction For Major/Minor Code: Major(s)/Minor(s). Level Restriction: Include GR.

NURS 692 - ENP Clinical Synthesis (4)

The focus of this final clinical course is advanced application of didactic, simulated, and clinical learning to the live emergency care setting. S/U graded.

Prerequisite: (NURS 662 with a minimum grade of B) and (NURS 663 with a minimum grade of S) and (NURS 664 with a minimum grade of S) and (NURS 671 with a minimum grade of B) and (NURS 672 with a minimum grade of S) and (NURS 673 with a minimum grade of S). Offered: Generally offered Summer Annually. Major/Minor Restriction: Include Emergency Nurse Pract Cert. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Course Fee: Supervision Fee Required and Participation Fee Required.

NURS 695 - Advanced Academic Nursing Roles (3)

Focuses on developing knowledge about faculty, leader and administrator roles in academic nursing education.

Level Restriction: Include GR.

NURS 697 - Scholarship of Advanced Nursing Practice (2)

Content emphasizes the application of the integrated skills of critical analysis and synthesis of evidence related to clinical practice. S/U graded.

Prerequisite: (NURS 507 and NURS 601 and NURS 606 and NURS 608 and NURS 612 and NURS 613 and NURS 614 and NURS 624 with a minimum grade of B).

Major/Minor Restriction: Include Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 699 - Thesis (1 - 6)

Terminal program course. All other courses should be taken before or concurrently. Guided research project that demonstrates evidence of original thought as well as advanced knowledge of the research process. S/U graded.

Major/Minor Restriction: Include Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

NURS 700 - Advanced Nursing Theory (2)

The focus of this course is nursing knowledge development and the underpinnings of nursing science, practice and education.

Offered: Generally offered Fall Annually. Major/Minor Restriction: Include Nursing. Type of Restriction For Major/Minor Code: Major(s)/Minor(s). Level Restriction: Include GR.

NURS 777 - Advanced Qualitative Research Methods in Nursing (3)

This course builds on foundational qualitative methods coursework. Students will advance their knowledge and skills related to the conduct of qualitative research in nursing science.

Prerequisite: SRM 680 with minimum grade of B. Offered: Generally offered Spring Annually. Program Restrictions: Include Nursing Education-PHD. Major/Minor Restriction: Include . Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 702 - Advanced Concepts of Populations Experiencing Vulnerability and/or Marginalization (3)

Examines contextual contributors to the disproportionate experience of vulnerability and marginalization in populations. Implications for nursing research, policy, and practice are explored.

Offered: Generally offered Summer Annually. Program Restrictions: Include Nursing Education-PHD. Level Restriction: Include GR.

NURS 703 - Philosophical Underpinnings of Nursing Science (3)

This course provides a history of philosophical and scientific thinking and its impact on the discipline of nursing, knowledge development in nursing and nursing science.

Major/Minor Restriction: Include Nursing (and) Nursing (and) Nursing Education. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 707 - Leadership in Health Policy (3)

Integrates theory and empirical research about leadership and health policy. Participates in the policy development process.

Major/Minor Restriction: Include Nursing (and) Nursing Education. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 710 - Measurement of Nursing Student Outcomes (3)

Emphasis on needs assessment, instrument analysis, measurement, analysis and evaluation of student outcomes in nursing education.

Program Restrictions: Include Nursing Education-PHD. Major/Minor Restriction: Include Nursing Education. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 711 - Advanced Theory and Knowledge Development in Nursing (3)

This course explores theoretical elements and their impact on nursing knowledge development and the translation of nursing research to pedagogy and practice.

Major/Minor Restriction: Include Nursing Education (and) Nursing (and) Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 723 - Design, Methods and Analysis in Health Care Research, Part I (3)

Introduction to doctoral level in-depth study of the integrated principles of design, methods and analysis in the conduct of quantitative health care research.

Major/Minor Restriction: Include Nursing (and) Nursing Education (and) Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 724 - Design, Methods and Analysis in Health Care Research, Part II (3)

Provides in-depth study of the integrated principles of design, methods and analysis in the conduct of quantitative health care research.

Prerequisite: NURS 723 with a minimum grade of B. Major/Minor Restriction: Include Nursing (and) Nursing Education (and) Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 725 - Translational Research Methods (3)

In-depth application of the integrated principles of both quantitative and qualitative design, methods and analysis as they relate to the translation of evidence into practice.

Prerequisite: (NURS 723 and NURS 724 with a minimum grade of B). Major/Minor Restriction: Include Adult Gero Acute Nurs Prac (and) Nursing (and) Nursing (and) Nursing Education. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 726 - Introduction to the DNP Scholarly Project (3)

Introduction to the DNP Scholarly Project emphasizing the application of the integrated principles of proposal development, project design and the measurement of clinical outcomes.

Prerequisite: NURS 616 with a minimum grade of B.. Offered: Generally offered Spring Annually. Program Restrictions: Include . Major/Minor Restriction: Include Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 727 - DNP Scholarly Project Proposal Development and Defense (3)

Provides advanced in-depth study, emphasizing the intensive development and defense of the DNP Scholarly Project proposal.

Prerequisite: NURS 726 with a minimum grade of B. Offered: Generally offered Summer Annually. Program Restrictions: Include . Major/Minor Restriction: Include Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 730 - The Scholarship of Teaching and Practice in Nursing Education (2)

This course is designed to prepare the learner for scholarship in nursing education, publication, presentation and grant writing activities.

Program Restrictions: Include Nursing Education-PHD . Major/Minor Restriction: Include Nursing Education. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 741 - Evidence-Based Teaching (3)

Builds knowledge and skill with instructional planning, development, delivery, and evaluation in classroom and clinical settings. Focus on existing and developing evidence for teaching strategies.

Program Restrictions: Include Nursing Education-PHD. Major/Minor Restriction: Include Nursing Education. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 760 - Advanced Nursing Curriculum Design and Program Evaluation (3)

Examines a range of contextual and professional influences on curriculum development and program evaluation in nursing education.

Program Restrictions: Include Nursing Education-PHD. Major/Minor Restriction: Include Nursing Education. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 780 - The Professorial Role in Nursing Education (3)

Involves comprehensive investigation of the academic nursing role in higher education relative to administration, student issues, program requirements and faculty expectations.

Major/Minor Restriction: Include Nursing (and) Nursing (and) Nursing Education. Type of Restriction For Major/Minor Code: Major(s). Degree Restriction: Include DNP and PHD. Level Restriction: Include GR.

NURS 790 - Doctoral Research Colloquium (3)

Exploring the nature of doctoral research in nursing and nursing scholarship. Examination of phenomena of interest for dissertation proposals begins.

Program Restrictions: Include Nursing Education-PHD. Major/Minor Restriction: Include Nursing Education. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 791 - DNP Seminar I (1)

Engage students in discussion surrounding DNP essential concepts, development of research knowledge and trajectory, and acculturation to the DNP role with special emphasis on developing the concept of interest.

Corequisite: NURS 723. Major/Minor Restriction: Include Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 792 - DNP Seminar II (1)

Engage students in discussion surrounding DNP essential concepts, development of research knowledge and trajectory, and acculturation to the DNP role with special emphasis on developing evidence for practice change.

Prerequisite: NURS 791 with a minimum grade of B. Major/Minor Restriction: Include Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 793 - DNP Seminar III (1)

Engage students in discussion surrounding DNP essential concepts, development of research knowledge and trajectory, and acculturation to the DNP role with special emphasis on research design and methods.

Prerequisite: NURS 792 with a minimum grade of B. Major/Minor Restriction: Include Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 795 - DNP Scholarly Project Proposal Seminar (2)

The Capstone project reflects synthesis and application of evidence-based practice in advanced nursing practice and health care. The course facilitates the development of the Capstone and launches the project. S/U graded.

Major/Minor Restriction: Include Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

NURS 796 - DNP Capstone Project (1 - 4)

For a total of 180 contact hours. The Capstone project reflects synthesis and application of evidence-based practice in advanced nursing practice and health care. The Capstone project must be approved by and defended to the capstone committee. S/U graded.

Major/Minor Restriction: Include Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 4 credit hours.

NURS 797 - Doctoral Proposal Research (1 - 4)

All doctoral students must earn 4 hours as partial fulfillment of requirements for the doctorate. Supports development of dissertation research proposal. S/U graded.

Program Restrictions: Include Nursing Education-PHD. Major/Minor Restriction: Include Nursing Education. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 4 credit hours.

NURS 798 - DNP Scholarly Project (1 - 3)

The DNP project reflects synthesis and application of evidence-based practice and translational research. S/U graded.

Prerequisite: NURS 727 with a minimum grade of B.
Offered: Generally offered Fall Annually. Major/Minor Restriction: Include Nursing. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

NURS 799 - Doctoral Dissertation (1 - 12)

All doctoral students must earn 12 hours as partial fulfillment of requirements for the doctorate. Dissertation must be approved by and defended to the dissertation committee. S/U graded.

Program Restrictions: Include Nursing Education-PHD. Major/Minor Restriction: Include Nursing Education. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 12 credit hours.

OCN - Oceanography

College of Natural and Health Sciences

Department of Earth and Atmospheric Sciences (p. 93)

OCN 622 - Directed Studies (1 - 4)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

PHYS - Physics

College of Natural and Health Sciences

Department of Physics and Astronomy

PHYS 508 - Physics Workshop (1 - 4)

A physics subject matter workshop course designed to improve the physics content background of teachers.

Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

PVA - Performing and Visual Arts**PVA 520 - Arts Entrepreneurship II (3)**

This course will provide the student practical application of entrepreneurial theory and practices that could impact the emerging artist-entrepreneur throughout their professional career whatever their arts major, discipline, or area of skills concentration.

Offered: Generally offered Summer Annually. Class Restriction: Exclude Freshman and Sophomore.

PSY - Psychology

College of Education and Behavioral Sciences

School of Psychological Sciences (p. 83)

PSY 500 - Educational Psychology for Teachers (3)

This course is designed to be an in-depth overview of research and theory on learning and cognition, social and personal development, individual differences, motivation and assessment of student learning. Particular attention will be given to the application of these topics to classroom settings.

Class Restriction: Exclude Freshman and Sophomore.

PSY 533 - Social Emotional Learning in Education (3)

This course will introduce students to social emotional learning in educational settings. Topics include definitions, theories, frameworks, and educational programming for social emotional learning, as well as applications and strategies for using social emotional learning in the K-12 classroom.

Offered: Generally offered Fall Annually. Class Restriction: Exclude Freshman and Sophomore.

PSY 530 - Life Span Developmental Psychology (3)

Human growth and development from conception through senescence, focusing on cognitive, affective, social and psychomotor development throughout the life span.

Class Restriction: Exclude Freshman and Sophomore.

PSY 540 - Theories and Principles of Learning (3)

A survey of classical and contemporary theory and research related to human cognition. Topics include the study of learning processes, memory and higher cognitive functions.

Class Restriction: Exclude Freshman and Sophomore.

PSY 561 - Hot Topics in Education (3)

An examination of research and theory associated with current hot topics. Hot topics may include debates about such things as direct instruction vs. discovery learning, the value of moral education, the importance of creativity, or theories of intelligence. Students help select topics for study and debate.

Program Restrictions: Include Ed Psych:Teaching Apps-MA. Level Restriction: Include GR.

PSY 562 - Science of Creativity for Teaching (3)

This course provides an overview of the psychological sciences underlying creativity and teaching for creativity. Topics will include the definition and assessments of creativity, creative thinking strategies, the roles of motivation and environment in creativity, and classroom applications of creativity theories.

Offered: Generally offered Fall Annually. Class Restriction: Exclude Freshman and Sophomore.

PSY 566 - Programming for Experimental Psychology (3)

Overview of the fundamentals for creating experiments and data analysis for experiments in psychology.

Special Notes: Previous coursework in statistics; Consent of instructor required. Class Restriction: Exclude Freshman and Sophomore.

PSY 575 - Educational Assessment (3)

The course will provide educators with the skills needed to evaluate, explain, and apply assessment and testing data to inform classroom instruction and education decisions.

Class Restriction: Exclude Freshman and Sophomore.

PSY 580 - Psychopharmacology (3)

Intended to educate clinicians about the various medications that are often used in the treatment of mental illness and the mechanisms that allow them to work.

Class Restriction: Exclude Freshman and Sophomore.

PSY 581 - Brain and Education (3)

This course offers an overview of neuroscience research targeted at educators. Topics covered will include background on brain structure and function, neural communication and drug effects, attention, emotion, motivation, learning, language. Disorders commonly found in the classroom will be highlighted throughout.

Class Restriction: Exclude Freshman and Sophomore.

PSY 585 - Psychology of Addiction (3)

This course is designed to conduct an in-depth introduction into the scientific literature across a range of contemporary subtopics in the field of addiction. It is intended to give

students a broad, yet comprehensive, overview of the research and theoretical perspectives on drug and alcohol addiction. Students will have an opportunity to learn about the diagnostic criteria used to classify substance disorders, and will apply this information to journal article readings and projects. The course is taught as a seminar, with interactive dialogue, presentations, mini-lectures, and videos.

Class Restriction: Exclude Freshman and Sophomore.

PSY 587 - Social Cognitive Neuroscience (3)

Social cognitive neuroscience (SCN) studies the implicit and explicit cognitive and emotional processes and their underlying brain mechanisms that contribute to our understanding of others' mental states (and our own as well). This course will examine a set of core Social Cognitive Neuroscience subtopics in order to gain a graduate level introduction to this burgeoning field.

Class Restriction: Exclude Freshman and Sophomore.

PSY 590 - Seminar in History of Psychology (3)

Philosophical perspectives and major theories and systems are reviewed as they contributed to the development of contemporary psychology. Course required for state psychology board licensing eligibility.

Class Restriction: Exclude Freshman and Sophomore.

PSY 595 - Special Topics in Psychology (1 - 5)

Scheduled on an irregular basis to explore special areas in psychology and carries a subtitle for each offering. Check department office for topics currently planned.

Class Restriction: Exclude Freshman and Sophomore.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

PSY 600 - Graduate Research Methodology (3)

Introduction to basic concepts in psychology research, including experimental design, non-experimental methods, statistical analysis and researchers' ethical responsibilities.

Major/Minor Restriction: Include Psychology (and) Educational Psychology. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

PSY 622 - Directed Studies (1 - 3)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

PSY 630 - Advanced Child and Adolescent Psychology (3)

Physical, social and emotional development of children from conception through puberty, stressing normal development and major development theories.

Prerequisite: PSY 530 with a minimum grade of C. Level Restriction: Include GR.

PSY 640 - Cultural Issues in Education Psychology (3)

This course covers research and theory on culture and its relationships with and applications to areas of educational psychology including development, cognition, assessment and school achievement, motivation, and individual differences.

Offered: Generally offered Fall Annually. Level Restriction: Include GR.

PSY 644 - Motivation in Education (3)

Students will investigate what it means to be properly motivated, why individuals often develop problematic motivational patterns, and how proper motivation can be fostered.

Level Restriction: Include GR.

PSY 654 - Seminar in College Teaching (3)

Practices, issues and research in college teaching. Instructional models and methods, course planning, cognition, testing and grading, student-teacher interaction and ethics.

Level Restriction: Include GR.

PSY 661 - Trends and Issues in Educational Psychology (3)

Examines professional, philosophical, theoretical issues and trends across the discipline. Students practice and receive feedback regarding written and oral communication skills.

Offered: Generally offered Spring Even Years. Level Restriction: Include GR.

PSY 663 - Apprenticeship (1 - 3)

Work with faculty member on professional endeavors such as research, writing, course planning or public service. Requires 3 hours per week for each credit. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 9 credit hours.

PSY 664 - Advanced Social Psychology (3)

Examine major areas of social psychology e.g., aggression, altruism, cooperation, attitude change, and impression management; learn about observation and other data-collection techniques. Possible laboratory observations.

Level Restriction: Include GR.

PSY 674 - Measurement I: Classical Test Theory (3)

Classical measurement theory and methods. Topics include instrument development and analysis, derivations of reliability and validity formulae, test fairness, standards, and norming.

Prerequisite: SRM 600 with a minimum grade of C. Level Restriction: Include GR.

PSY 675 - Measurement II: Contemporary Test Theory (3)

Item response theory and methods. Topics include item analysis, logistic models, and individual prediction and classification.

Prerequisite: (PSY 674 and SRM 603 with a minimum grade of C). Level Restriction: Include GR.

PSY 681 - Learning and Instruction (3)

An applied perspective on learning sciences and instruction, including behavioral, information-processing, cognitive load, situated, meaningful, motivational, constructivist, and social cognitive learning views and their relation to instructional design.

Level Restriction: Include GR.

PSY 682 - Cognition and Instruction II (3)

Assumes basic knowledge of cognitive and instructional theory. Focuses on research in development, cognition and instruction, subject matter, and social and cultural contexts of learning.

Prerequisite: (PSY 681 or PSY 540 with a minimum grade of C). Level Restriction: Include GR.

PSY 692 - Internship in Educational Psychology (1 - 9)

Full-or part-time assignment in a field-based setting under supervision. Students work a minimum of 3 hours per week for each hour of credit. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 18 credit hours.

PSY 693 - Research Practicum (1 - 3)

Each student will collaborate in research with a psychology professor. The research topic and nature of involvement are determined by consultation between student and professor. S/U graded.

Major/Minor Restriction: Include Educational Psychology. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

PSY 694 - Practicum (3)

Supervised experience in diagnostics of neuropsychological deficits. Individual and group supervision emphasizing behavioral interview and psychometric data. S/U graded.

Major/Minor Restriction: Include Psychology (and) Educational Psychology. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

PSY 695 - Special Topics in Educational Psychology (1 - 3)

Specialized topics or contemporary issues. Topics vary.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course may be repeated 1 time.

PSY 697 - Master's Project in Psychology (3 - 6)

For Master's students in psychology as an approved alternative to the written comprehensive examination. Students will enroll with major advisor to develop research proposal, conduct project and report results. S/U graded.

Major/Minor Restriction: Include Psychology (and) Educational Psychology. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

PSY 699 - Thesis (1 - 6)

Recommended in place of M.A. project, especially for students applying to doctoral programs. S/U graded.

Major/Minor Restriction: Include Psychology. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

PSY 705 - Proseminar in Doctoral Studies (3)

Introduction to doctoral study. Students will be taught foundational skills in research, writing, participation in professional communities, and other areas. Students will study faculty research and "big ideas" associated with such research.

Program Restrictions: Include Educational Psychology-PHD and Educational Studies-EDD. Level Restriction: Include GR.

PSY 710 - Advanced Doctoral Seminar (1)

Covers topics and skills regarding professional development related to navigating career paths in academia and industries. Students practice and receive feedback regarding job applications and interview skills. S/U graded.

Prerequisite: PSY 705 with a minimum grade of C. Level Restriction: Include GR.

PSY 797 - Doctoral Proposal Research (1 - 4)

Doctoral students must earn 4 hours as partial fulfillment of requirements for the doctorate. Check with the Graduate School regarding appropriate procedures and formats. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 4 credit hours.

PSY 799 - Doctoral Dissertation (1 - 12)

Must earn 12 hours as partial fulfillment of requirements for the doctorate. Dissertation must be approved by and defended before the dissertation committee. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

RCS - Rehabilitation Counseling Sciences

College of Natural and Health Sciences

Department of Rehabilitation and Human Services (p. 94)

RCS 580 - Foundations of Rehabilitation Counseling (3)

Introduction to comprehensive rehabilitation history, philosophy, legislation and process. Details role and functions of case management and coordination with community, government and industry.

Class Restriction: Exclude Freshman and Sophomore.

RCS 581 - Assessment of Adults with Disabilities (3)

Basic principles in vocational evaluation and assessment of persons with disabilities. Skills development in use of various testing instruments, methods and effective interpretation of results.

Class Restriction: Exclude Freshman and Sophomore.

RCS 585 - Career Counseling and Placement for People with Disabilities (3)

Presents theories of career counseling and use of labor market information. Identifies job analysis, development and placement practices for successful transitions of client to gainful employment.

Class Restriction: Exclude Freshman and Sophomore.

RCS 595 - Special Topics in Rehabilitation (1 - 4)

Course designed to investigate a specific aspect of rehabilitation.

Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 9 credit hours.

RCS 597 - Counseling and Treatment of the Substance Abuser (3)

This course will provide advanced work in the area of substance abuse treatment and counseling. Instruction in treatment modalities, explore research topics and build counseling techniques appropriate for this population.

Class Restriction: Exclude Freshman and Sophomore.

RCS 601 - Practicum in Rehabilitation (1 - 4)

Supervised professional activity in student's major field; approximately 37 clock hours of work per credit. Two copies of well written paper must be filed before credit is given.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

RCS 604 - Family, Cultural and Psychological Aspects of Disability (3)

Develop an understanding of and sensitivity to the psychological, social, interpersonal, family and cultural aspects of and adjustments to disability, including successful vocational outcomes.

Level Restriction: Include GR.

RCS 605 - Medical Aspects of Disability (3)

Appraises medical implications in rehabilitation: nature, cause, treatment, limitation, progress, social and occupational aspects of injury, medical terminology and the role of medical specialist.

Level Restriction: Include GR.

RCS 610 - Interpretation and Evaluation of Behavioral Research (3)

Understanding of applications of appropriate statistical techniques and necessary skills for interpretation and evaluation of research in human services. Emphasizes basic concepts, design and utilization of behavioral research.

Level Restriction: Include GR.

RCS 622 - Directed Studies in Human Rehabilitation (1 - 4)

Individualized investigation under the direct supervision of a faculty member. Minimum of 37.5 clock hours required per credit hour.

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

RCS 630 - Counseling Theories and Techniques in Rehabilitation (3)

Analyze counseling theories as they are applied to rehabilitation. Develop basic counseling skills.

Level Restriction: Include GR.

RCS 631 - Group Processes in Rehabilitation (3)

An integrated perspective of the stages of groups, basic concepts and goals of groups with rehabilitation clients.

Level Restriction: Include GR.

RCS 650 - Human Resources System (3)

Addresses leadership issues in human resource planning, management and development necessary for achieving responsible change. Examines various organizational components and their interrelationship and interdependence with other organization systems.

Level Restriction: Include GR.

RCS 659 - Seminar in Rehabilitation Counseling Supervision (3)

An investigation of the major approaches to counseling supervision intended to increase the student's understanding of clinical supervision as it relates to rehabilitation counselor training.

Level Restriction: Include GR.

RCS 692 - Clinical Internship in Rehabilitation (1 - 18)

Field experience for qualified Rehabilitation Counseling majors at approved locations. Written application to faculty internship supervisor at least one semester before registration. S/U graded.

Prerequisite: (RCS 630 with a minimum grade of C) and (RCS 694 with a minimum grade of S). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 18 credit hours.

RCS 694 - Supervised Counseling in Rehabilitation (6)

Meets minimum of 12 hours per week. Qualified human services majors engage in counseling interviews and activities under the supervision of one or more university staff members. S/U graded.

Prerequisite: RCS 630 with a minimum grade of C. Level Restriction: Include GR.

RCS 695 - Seminar in Foundations of Human Rehabilitation (3)

This graduate seminar will focus on core issues confronting the field of rehabilitation. Issues will be examined from a historical, theoretical and research perspective.

Level Restriction: Include GR.

RCS 696 - Advanced Rehabilitation Counseling Theories and Approaches (3)

Major counseling theories are comprehensively reviewed in terms of their utility with individuals who have disabilities and in order to enhance student preparation for rehabilitation counselor education and supervision.

Prerequisite: RCS 630 with a minimum grade of C. Level Restriction: Include GR.

RCS 706 - Advanced Seminar in Psychosocial Aspects of Disability (3)

Theoretical and conceptual frameworks of adjustment of various disabling conditions are comprehensively investigated. A thorough review of the research literature regarding psychosocial aspects of disability will be undertaken. S/U graded.

Level Restriction: Include GR.

RCS 755 - Supervised Practicum in College Teaching (3)

Experiences in observation and supervised practice in teaching at college or university level.

Major/Minor Restriction: Include Rehabilitation Counseling. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 9 credit hours.

RCS 758 - Seminar in Collaborative Research in Human Sciences (3)

Supervised experience in conducting collaborative research in human sciences. Students gain experience in research methods, design, statistical analyses and submit their research paper to an academic journal of their choice.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

RCS 759 - Advanced Practicum in Rehabilitation Counseling Supervision (3)

Students receive supervised experience in studying problems in training rehabilitation counselors. Approximately 150 clock hours per semester required for three credits.

Major/Minor Restriction: Include Rehabilitation Counseling. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 9 credit hours.

RCS 797 - Doctoral Proposal Research (1 - 4)

Students must earn 4 hours of credit towards doctoral degrees before candidacy. S/U graded.

Major/Minor Restriction: Include Rehabilitation Counseling. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 4 credit hours.

RCS 799 - Doctoral Dissertation (1 - 12)

Students must earn 12 hours of dissertation credit for doctoral requirements. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

SCED - Science Education*College of Natural and Health Sciences*

School of Biological Sciences (p. 91)

Department of Chemistry and Biochemistry (p. 92)

Department of Earth and Atmospheric Sciences (p. 93)

SCED 513 - Professional Renewal (1 - 12)

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than the acquisition of general discipline knowledge or methodologies. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

SCED 521 - Physics in Modern Medicine (3)

Apply and use physics concepts and laws to understand modern medical techniques. Develop lessons to integrate physics, as it relates to medicine, into other courses.

Class Restriction: Exclude Freshman and Sophomore.

SCED 530 - Laboratory, Field, and Studio Safety (1)

Emphasizes formation of a "safety culture" in science and/or art. Federal and state regulations are covered. Course product is a safety manual for the laboratory or studio.

Class Restriction: Exclude Freshman and Sophomore.

SCED 531 - Teaching Chemistry for the Future (3)

Understanding of general chemistry is highly recommended. Examination of chemistry topics with real-world applications. Methods for the use of skills and themes in chemistry to encourage higher-level thinking in students in the high-school setting.

Level Restriction: Include GR.

SCED 541 - Secondary Science Methods II (3)

Consider curriculum and classroom organization, testing and evaluation, procedures and materials, relationship of subject area to total secondary program, emphasizing teaching techniques and of technology use. Students will lead discussions and teaching situations.

Class Restriction: Exclude Freshman and Sophomore.

SCED 551 - History and Theory of Environmental Education (3)

Students will explore historical and theoretical aspects of environmental education which creates a context to inform their development as practicing environmental educators.

Level Restriction: Include GR.

SCED 553 - Program Design and Planning in Environmental Education (3)

Prepares students to use best practices in planning and designing environmental education programs and curricula. Students revise and/or develop an environmental education program for their final project.

Level Restriction: Include GR.

SCED 561 - Using Controversial Topics to Teach Nature of Science (3)

Explores use of scientific “controversies” as a teaching strategy to understand the nature of science. Empirical evidence supporting major science concepts are integrated with pedagogical strategies.

Offered: Generally offered Fall and/or Spring Odd Years. Mutually Exclusive Course: Credit allowed for only one of these courses: SCED 561 and BIO 579 and ESCI 561. Class Restriction: Exclude Freshman and Sophomore.

SCED 570 - Teaching Science in the Elementary School (3)

(2 lecture, 2 laboratory) Develop a knowledge of objectives, methods and materials needed for teaching a functional elementary science program. Laboratory activities included.

Offered: Generally offered Fall and/or Spring Annually. Class Restriction: Exclude Freshman and Sophomore. Course Fee: Course Fee Required.

SCED 578 - K-12 Science Inquiry (3)

Students will explore and define the elements of inquiry in P-16 science education from the perspective of teaching with inquiry, ability to do inquiry, and as part of science content.

Offered: Generally offered Summer Annually. Mutually Exclusive Course: Credit allowed for only one of these courses: SCED 578 and BIO 575 and ESCI 578. Class Restriction: Exclude Freshman and Sophomore.

SCED 581 - Earth Systems: Water (3)

An online course focusing on Colorado water resources and environmental issues in an Earth Systems context. Applications to societal issues and inquiry learning are emphasized.

Offered: Generally offered Fall and/or Spring Even Years. Mutually Exclusive Course: Credits allowed for only one of these courses: SCED 581 and BIO 577 and ESCI 581. Class Restriction: Exclude Freshman and Sophomore.

SCED 605 - Global Change (3)

An online, problem-based course in which students conduct data analysis on climate variability, modeling, and Earth system impacts and apply results to societal issues.

Offered: Generally offered Spring Even Years. Mutually Exclusive Course: Credit allowed for only one of these courses: BIO 605 and ESCI 605 and SCED 605. Level Restriction: Include Graduate.

SCED 622 - Directed Studies (1 - 4)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

SCED 678 - Science Education Seminar (1 - 2)

Investigate current science education research, report on topics of interest in recent literature, discuss individual research problems.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 4 credit hours.

SCED 694 - Science Education Research (3)

An introduction to research in discipline based science education, providing background and experience in the major activities associated with current practice in both field-based and quantitative studies.

Prerequisite: SRM 502 with a minimum grade of C. Level Restriction: Include GR.

SCED 695 - Action Research in Science Education I (1)

Research a problem in K-12 science education relevant to students' teaching situations. Develop goals, review literature, and plan an action research project. This course is the first of three courses.

Special Notes: Equivalent research course approved by advisor may be substituted for SRM 600. Prerequisite: SRM 600 with a minimum grade of C. Program Restrictions: Exclude Graduate Interdisciplinary-MS. Level Restriction: Include GR.

SCED 696 - Action Research in Science Education II (1)

Conduct the action research plan developed and approved in SCED 695. An approved Action Research Plan Project is required to take this course. Second of three course series.

Prerequisite: SCED 695 with a minimum grade of C.
Program Restrictions: Exclude Graduate Interdisciplinary-MS. Level Restriction: Include GR.

SCED 697 - Action Research in Science Education III (1)

Complete the action research project by developing a summary and discussion. The final project must be presented to the action research committee. Final of a three course series.

Prerequisite: SCED 696 with a minimum grade of C.
Program Restrictions: Exclude Graduate Interdisciplinary-MS. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 3 credit hours.

SCED 699 - Thesis (1 - 6)

For majors in the Graduate Interdisciplinary Degree Program M.A. Science Education Concentration and wish to complete a thesis. S/U graded.

Special Notes: Equivalent research course approved by advisor may be substituted for SRM 600. Prerequisite: SRM 600 with a minimum grade of C. Program Restrictions: Include GIDP:Natural Sciences-MA. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

SCOM - Science Communication

College of Humanities and Social Sciences

College of Natural and Health Sciences

Department of Communication Studies and Journalism (p. 87)

SCOM 540 - Science Communication Capstone (3)

Project-oriented utilization of written and oral skills specific to communication science to a non-science audience. Students will work in groups to develop several communication projects, using several forums.

Class Restriction: Exclude Freshman and Sophomore.

SES - Sport Exercise Science

College of Natural and Health Sciences

Department of Kinesiology, Nutrition, and Dietetics (p. 94)

SES 505 - Exercise Oncology (3)

This course will prepare individuals to design and conduct exercise intervention programs for cancer patients. The physiological alterations from cancer therapy and the exercise effects will be presented.

Program Restrictions: Include SES:Exercise Physiology-MS and SES:Exercise Physiology-PHD. Level Restriction: Include GR.

SES 506 - Practicum in Cancer Rehabilitation (3)

This course will review the basics of cancer rehabilitation principles, followed by instruction on the clinical skills necessary for students to work directly with cancer patients in an exercise setting.

Level Restriction: Include GR. Repeatable Status: Course may be repeated 1 time.

SES 508 - Workshop (1 - 3)

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

SES 510 - Electrocardiography (3)

Study basic electrocardiography and ECG interpretation. Emphasis is placed on interpretation of resting and exercise ECG's along with monitoring procedures, interpretation of abnormalities and drugs that may affect ECG interpretation.

Level Restriction: Include GR.

SES 511 - Advanced Cardiac Rehabilitation (3)

An examination of clinical exercise physiology concepts pertaining to the evaluation and treatment of the cardiac patient. Emphasis is placed on cardiovascular pathophysiology, exercise testing and prescription, and patient education.

Level Restriction: Include GR.

SES 513 - Professional Renewal (1 - 3)

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than the acquisition of general discipline knowledge or methodologies. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

SES 550 - Neural Aspects of Kinesiology (3)

Advanced study of neurological influences to movement. Learn terminology, structures of the human nervous system, cellular and macroscopic neurophysiology, and clinical applications associated with reflexive and voluntary movements and posture.

Class Restriction: Exclude Freshman and Sophomore.

SES 551 - Sport Sales (3)

This course provides the foundation of sales and revenue generation through theoretical fundamentals and practical application of sales while providing students with the essential skills to become successful sales executives in the sport industry.

Class Restriction: Exclude Freshman and Sophomore.

SES 560 - Critical Thinking and Ethical Considerations in Sport Administration (3)

An exploration of major issues, ethical theories, moral reasoning and their impact on the operation of programs in sport, physical education, fitness, athletics and recreation.

Major/Minor Restriction: Include Sport Administration.
Type of Restriction For Major/Minor Code: Concentration(s). Level Restriction: Include GR.

SES 570 - Administration of Sport Organizations and Employees (3)

This class is meant to provide students with a description of theories and practices that are relevant to sport organizations and their employees-including environmental, macro, and micro concerns.

Level Restriction: Include GR.

SES 576 - Sport Promotion and Marketing (3)

Develop skill and understanding in the marketing process relating to the sport industry, athletics and commercial sport operations. Primary focus: application of marketing principles to specific sport scenarios.

Major/Minor Restriction: Include Sport Administration.
Type of Restriction For Major/Minor Code: Concentration(s). Level Restriction: Include GR.

SES 581 - Developmental Perspectives for Sport Coaching (3)

Course emphasizes the introduction, understanding, and application of the long-term athlete development model (LTAD) and incorporation of the concepts, perspectives, and principles of "developmentally appropriate practice" related to sport coaching.

Offered: Generally offered Fall Annually. Class Restriction: Exclude Freshman and Sophomore.

SES 582 - Psychology for Sport Coaches (3)

Understanding and applying psychological principles as they relate to sport coaching and athletic performance.

Class Restriction: Exclude Freshman and Sophomore.

SES 583 - International Perspectives of Sport Coaching (3)

Examine international perspectives of sport coaching. Emphasis is placed on developing and enhancing students' knowledge and understanding of international coaching perspectives.

Class Restriction: Exclude Freshman and Sophomore.

SES 584 - Sport Administration for Sport Coaches (3)

Develop an understanding of theories and principles involved in the management of sport and athletics from a coaching perspective.

Class Restriction: Exclude Freshman and Sophomore.

SES 586 - Injury Prevention, Training and Conditioning Principles for Sport Coaches (3)

Exploration of the physiological aspects of designing and implementing a sport program that minimizes physical risk and effectively enhances performance.

Class Restriction: Exclude Freshman and Sophomore.

SES 587 - Sport Coaching Principles and Perspectives (3)

Provide a comprehensive introduction to the coaching profession. Emphasis is placed on developing and enhancing students' knowledge and understanding of concepts, principles and techniques of coaching.

Class Restriction: Exclude Freshman and Sophomore.

SES 588 - Evaluation of Coaching using Technology (3)

Emphasis is placed on the use of technology to evaluate skill, tactics, and technical components of coaching. Evaluation of effective coaching in game and practice settings are incorporated.

Class Restriction: Exclude Freshman and Sophomore.

SES 589 - Bridging Theory and Practice in Sport Coaching (3)

Examination of theoretical and applied concepts of sport coaching. Emphasis is placed on practical experience of coaching sport that concentrates on coach education theory and effective coaching practices.

Class Restriction: Exclude Freshman and Sophomore.

SES 601 - Statistics in the Movement Sciences (3)

Presentation of data, measures of central tendency and variability, inference, correlation, regression, comparisons of means, and specific statistical approaches used in the movement sciences will be presented and applied.

Program Restrictions: Include SES:Biomechanics-MS and SES:Exercise Physiology-MS and SES:Sport Administration-MS and SES:Soc Psych Sprt Phy Act-MS. Level Restriction: Include GR.

SES 602 - Introduction to Research in Sport and Exercise Science (3)

Receive an introduction and some application of strategy and methods of research to problem solving in physical education, sport management and exercise science.

Level Restriction: Include GR.

SES 603 - Professional Development Seminar (3)

This seminar will provide a cross disciplinary knowledge of the sport and exercise science field while simultaneously preparing students to disseminate scholarly work.

Level Restriction: Include GR.

SES 604 - Teacher and Coach Action Research (3)

Provides introduction to self-inquiry and pedagogical reflection through action research. Focuses on historical background, purpose, instruction and guidance for teachers and coaches to conduct action research.

Level Restriction: Include GR.

SES 612 - Assessment in Sport Pedagogy (3)

Disseminate knowledge that contributes to quality professional practice. Students will experience new ways of thinking about assessment. Alternative ways of determining student learning, evaluation, grading and reporting will be explored.

Level Restriction: Include GR.

SES 614 - Analysis of Teaching in Physical Education (3)

Present and analyze systems used in evaluating student behavior, teacher behavior and student-teacher interaction. Study strategies for planning and implementing effective teaching and supervising in physical education.

Level Restriction: Include GR.

SES 615 - Qualitative Research in Sport and Exercise Science (3)

The epistemological and practical underpinning of qualitative research as an alternative or complement to quantitative research will be studied in this course through readings, class discussions, and a practical project.

Prerequisite: SRM 680 with a minimum grade of C. Level Restriction: Include GR.

SES 618 - Biomechanics of Locomotion (3)

By exploring research literature, collecting and analyzing gait data, students will be introduced to one of the largest research areas in biomechanics: the study of locomotion.

Level Restriction: Include GR.

SES 619 - Advanced Biomechanics (3)

Make an advanced study of the mechanical components of human movement, stressing the analysis of movement problems.

Prerequisite: SES 331 with a minimum grade of D-. Level Restriction: Include GR.

SES 620 - Neuromuscular Structure and Function (3)

Make an advanced study of the structural components of human movement, with special attention to the analysis of movement problems.

Prerequisite: SES 220 with a minimum grade of D-. Level Restriction: Include GR.

SES 622 - Directed Studies (1 - 4)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

SES 624 - Advanced Developmental Kinesiology (3)

Advanced study of the influence of developmental and aging processes upon movement across the lifespan.

Level Restriction: Include GR.

SES 625 - Laboratory Techniques in Exercise Science Research (3)

Titles: Laboratory Techniques in Biomechanics; Laboratory Techniques in Exercise Physiology; and Laboratory Techniques in Social Psychology of Sport and Physical Activity.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

SES 626 - Metabolism (3)

Advanced study of energy metabolism and exercise nutrition involved with human movement.

Level Restriction: Include GR.

SES 627 - Muscle Physiology (3)

Advanced study of the muscular and endocrine systems involved with human movement.

Level Restriction: Include GR.

SES 632 - Cardiovascular Physiology (3)

Advanced study of the cardiovascular system as it relates to human movement.

Level Restriction: Include GR.

SES 635 - Exercise and Sports Psychology (3)

Application of psychological concepts, principles and empirical findings to exercise programs and organized sport settings.

Level Restriction: Include GR.

SES 636 - Motivation (3)

Examination and application of motivational theories and concepts relevant to sport, physical activity, and exercise behavior.

Level Restriction: Include GR.

SES 643 - Instructional Strategies for K-12 Physical Education (3)

Exploration, participation, and analysis of a broad-based variety of physical activities, appropriate curriculum, and teaching skills that contribute to quality K-12 physical education.

Level Restriction: Include GR.

SES 646 - Comprehensive School Physical Activity Programming (3)

This course examines principles and evidence-based practices associated with comprehensive school physical activity programming. Emphasis placed on strategies for

developing, implementing, and evaluating school programs to make a health impact.

Major/Minor Restriction: Include Phys Ed Phys Actvty Leader. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

SES 647 - School Physical Activity Policy, Advocacy, and Leadership (3)

This course explores current perspectives and trends in policy, advocacy, and leadership development that influence the implementation of successful comprehensive school physical activity programs.

Major/Minor Restriction: Include Phys Ed Phys Actvty Leader. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

SES 648 - Theories of Health Behavior (3)

Examination and application of theories and concepts of health behavior relevant to comprehensive school physical activity programming.

Major/Minor Restriction: Include Phys Ed Phys Actvty Leader. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

SES 649 - School-Based Nutrition & Wellness (3)

Introduction to the topics incorporated in children's wellness including nutrition, health, and safety as they relate to the school-based context.

Major/Minor Restriction: Include Phys Ed Phys Actvty Leader. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

SES 650 - Financial Management for Sport Organizations (3)

Develop an understanding of and skill in financial resource management for the operation of programs in sport, physical education, fitness, athletics and recreation.

Major/Minor Restriction: Include Sport Administration. Type of Restriction For Major/Minor Code: Concentration(s). Level Restriction: Include GR.

SES 665 - Advanced Sociological Kinesiology (3)

Advanced study of the application of sociological concepts and theories to current issues in kinesiology.

Level Restriction: Include GR.

SES 670 - Sport and Higher Education (3)

Identification and examination of the contemporary issues and problems in sport in American higher education, their historical foundation, and propose methods for their resolution.

Major/Minor Restriction: Include Sport Administration.
Type of Restriction For Major/Minor Code:
Concentration(s). Level Restriction: Include GR.

SES 671 - Fundraising & Development in Sport (3)

This class will explore current problems, trends, and research in the field of Fundraising and Development. This class will provide students the opportunity to gain experience in the fundraising industry.

Level Restriction: Include GR.

SES 675 - Sport Facility and Event Management (3)

This course is designed to provide students information and knowledge on the operation and management of sports facilities and events.

Level Restriction: Include GR.

SES 676 - Sport Public Relations and Information Systems (3)

Presentation of principles, standards and guidelines in sport public relations and information systems involved in sport information management.

Major/Minor Restriction: Include Sport Administration.
Type of Restriction For Major/Minor Code:
Concentration(s). Level Restriction: Include GR.

SES 680 - Perspectives in Sport Pedagogy (3)

Philosophical perspectives of issues in physical education and sport, which are influenced by contemporary trends in American education.

Level Restriction: Include GR.

SES 681 - Research on Teaching and Teachers in Physical Activity Settings (3)

Examines the empirical and conceptual scholarship related to the teaching process, teachers experiences and professional preparation and development of teachers in physical activity contexts.

Level Restriction: Include GR.

SES 682 - Program Design and Evaluation in Physical Activity Settings (3)

The course will explore research associated with program design and evaluation across a variety of physical activity settings within schools and the community.

Level Restriction: Include GR.

SES 688 - Legal Aspects of Sport (3)

Study the law and implications relative to physical education and sport. Emphasis on legal theory and responsibilities and risk management.

Major/Minor Restriction: Include Sport Administration.
Type of Restriction For Major/Minor Code:
Concentration(s). Level Restriction: Include GR.

SES 690 - Graduate Seminar in Sport and Exercise Science (1)

Examine professional and scholarly issues in exercise science, physical education and sport administration through readings, discussions, laboratory tutorials and presentations of current research topics. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 3 credit hours.

SES 692 - Graduate Internship in Sport and Exercise Science (1 - 6)

Supervised experience structured to the special focus and functions of the student's graduate program. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

SES 694 - Special Topics in Sport & Exercise Science (1 - 3)

Engage in a course of study designed to investigate a special topic.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

SES 695 - Seminar in Physical Education (1)

Students will make an in-depth study of contemporary topics under guidance of qualified graduate faculty and consultants.

Level Restriction: Include GR. Repeatable Status: Course may be repeated 4 times.

SES 696 - College Teaching (3)

Examines instructional models, issues and practices specific to teaching at the college level. Presentation modes such as lecture, discussion, questioning and small group procedures will be included.

Level Restriction: Include GR.

SES 699 - Thesis (1 - 6)

Optional for Master of Science students on recommendation of major advisor. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

SES 702 - Seminar in Sport Administration Research Methods (3)

This seminar is designed to provide students with an advanced overview of research methods and techniques that are used in the sport setting.

Prerequisite: SES 602 with a minimum grade of C. Level Restriction: Include GR.

SES 703 - Research Seminar in Sport and Exercise Science (3)

For doctoral candidates planning to conduct research in Physical Education or allied areas. Learn techniques and procedures of research and receive aids in development of required research outline for degree.

Level Restriction: Include GR.

SES 704 - Doctoral Seminar in Sport Marketing Research & Experimental Design I (3)

Doctoral students gain comprehensive knowledge by conducting experimental design research, critiquing academic research, having discussions to gain insights into the research process, and learn expectations of market research in the domain of sport administration.

Offered: Generally offered Spring Odd Years. Program Restrictions: Include SES:Sport Administration-PHD. Level Restriction: Include GR.

SES 705 - Doctoral Seminar for American Professoriate in Sport (3)

Doctoral students will undertake an in-depth study of current topics, and research, related to being a sport administration professor in higher education in America.

Offered: Generally offered Spring Odd Years. Level Restriction: Include GR.

SES 706 - Seminar in Sport Organizational Behavior (3)

This seminar is designed to provide students with a deep understanding of organizational behavior theories that are used in the sport setting.

Level Restriction: Include GR.

SES 724 - Seminar in Theory & Sport Organizations (3)

This seminar is designed to improve students' synthesis of theory into academic writing. Additionally, broad organizational concepts will be utilized as a theoretical background for writing exercises.

Level Restriction: Include GR.

SES 750 - Seminar in Sport Finance (3)

This seminar is designed to provide students with a deep understanding of sport finance theories that are used in the sport setting.

Prerequisite: SES 650 with a minimum grade of C. Level Restriction: Include GR.

SES 755 - Supervised Practicum in College Teaching (1 - 6)

Provide a supervised college teaching experience. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

SES 790 - Seminar in Sport Consumer Behavior (3)

This course is designed for doctoral students in sport administration. The objective of the course is to provide students with a research background in Sport Consumer Behavior.

Level Restriction: Include GR.

SES 797 - Doctoral Proposal Research (1 - 4)

Doctoral students must earn a minimum-maximum of 4 hours credit in partial fulfillment of degree requirements. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 4 credit hours.

SES 799 - Doctoral Dissertation (1 - 12)

Doctoral students must earn at least 12 hours of credit for the dissertation as a requirement of the student's doctoral program. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

SOC - Sociology

College of Humanities and Social Sciences

Department of Sociology (p. 89)

SOC 514 - Masculinities (3)

A sociological analysis not just of men, but of masculinities. We will address debates about meanings of masculinity, historical variations, and how these definitions involve both male and female bodies.

Class Restriction: Exclude Freshman and Sophomore.

SOC 532 - Social Psychology and Group Dynamics (3)

Evaluate how group processes enhance, limit and define social interaction. Study the major theories of group dynamics. Analyze and discuss issues, trends, paradigms and applications.

Class Restriction: Exclude Freshman and Sophomore.

SOC 539 - Seminar in Sociological Practice (3)

Examine important issues and activities related to practicing sociology, survey research methods and intervention techniques used by sociologists, consider ethics of sociology, emphasize critical thinking, research and writing.

Class Restriction: Exclude Freshman and Sophomore.

SOC 544 - Sociology of Law (3)

Study of the social origins, functions and administration of law in society. Focus on the social organization of law, inequality in the legal system, and how civil and criminal law structure society.

Level Restriction: Include GR.

SOC 550 - Family Theories (3)

Course examines theories of family development, interaction and change. Students apply theoretical frameworks to current research, and consider the explanatory value of theory for research methods and real-world application.

Class Restriction: Exclude Freshman and Sophomore.

SOC 552 - Applied Social Theory (3)

Provide understanding of the role of theory in the social sciences, provide knowledge of major paradigms utilized in contemporary social science theory, assess applied explanatory strengths and weaknesses of paradigms.

Class Restriction: Exclude Freshman and Sophomore.

SOC 557 - Sociology of Innovation & Entrepreneurship (3)

Study entrepreneurship and innovation sociologically. Discuss how inequality, capital and globalization affect entrepreneurial success and failure and discover the social sources of innovation.

Class Restriction: Exclude Freshman and Sophomore.

SOC 562 - Social Statistics (3)

Introduce applied statistics in social science research. Levels of measurement; measures of central tendency and variability, probability; estimation and hypothesis testing; measures of association - chi square.

Level Restriction: Include GR.

SOC 563 - Qualitative Methods (3)

Epistemological foundations of qualitative research: field observation, ethnography, interviews, focus groups; project design, research ethics, site selection, interviewing and observation techniques, coding and analysis, and interpretation/presentation of findings.

Level Restriction: Include GR.

SOC 574 - Sociology of Sport (3)

Introduction to the sociological study of sport. Focusing on sports as social and cultural phenomena, we use sociological concepts and critical thinking to examine the impact of sports on social structure and institutions.

Class Restriction: Exclude Freshman and Sophomore.

SOC 579 - The Community (3)

This course focuses on local, national and international communities. Major theories and empirical evidence will guide understanding of how communities work, their impact on individuals, and how they are constructed.

Class Restriction: Exclude Freshman and Sophomore.

SOC 580 - Social Policy Analysis (3)

Examines social policy and society. Socio-cultural historical conditions, social institutions which affect policy formation. Social change and social policy and utilization of sociological concepts and methods are examined.

Class Restriction: Exclude Freshman and Sophomore.

SOC 593 - Practicum in College Teaching in Sociology (3)

Students contact the Sociology department and fill out an application to take the course. As part of the coursework, students assist instructors in a sociology course and will receive experience in observation and supervised practice. A-F Graded. Application required.

Class Restriction: Exclude Freshman and Sophomore and Junior.

SOC 595 - Special Topics in Sociology (3)

Scheduled on an irregular basis to explore special areas in sociology and carries a subtitle for each offering. Check department office for topics currently planned.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

SOC 596 - Study Abroad Experience (3)

Scheduled on a semi-regular basis as an experiential approach to studying special areas in sociology and carries a subtitle for each offering. Check department office for topics currently planned.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

SOC 597 - Special Topics in Inequality (3)

Students will examine a specific topic developed by the faculty member teaching the course. This course will examine inequality and its implications for various contemporary issues.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course may be repeated 3 times.

SOC 622 - Directed Studies (1 - 3)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

SOC 660 - Applied Social Research (3)

Students will learn the basics of sociological study design and data collection techniques and employ the applied sociological approach toward development of an approved research project.

Level Restriction: Include GR.

SOC 691 - Research Internship (1 - 9)

Put classroom learning into practice with research in an organizational setting. S/U graded.

Prerequisite: GPA-GR-3.0. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 9 credit hours.

SOC 699 - Thesis (1 - 6)

Optional for Master of Arts students upon recommendation of major advisor. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

SPAN - Spanish

College of Humanities and Social Sciences

Department of World Languages and Cultures (p. 89)

SPAN 505 - Spanish Phonetics and Dialects (3)

The study of the major semantic, syntactic and phonological aspects of the Spanish language dialects and the standard Latin American Spanish found in the Americas.

Class Restriction: Exclude Freshman and Sophomore.

SPAN 531 - Latin American Civilization and Culture (3)

Designed to examine the historical and cultural development of the Latin American countries. Surveys the major historical events from the pre- Columbian period to the present.

Class Restriction: Exclude Freshman and Sophomore.

SPAN 555 - Literature for Children and Adolescents (3)

A study of award-winning works of literature. Emphasis on multi-cultural books for children and adolescent literature of acculturation and assimilation.

Class Restriction: Exclude Freshman and Sophomore.

SPAN 560 - Spanish Civilization and Culture (2)

Interpretation of the civilization and culture of Spain from its earliest beginnings to the present. Includes an analysis of the artistic, political and economic currents that have shaped modern Spain.

Class Restriction: Exclude Freshman and Sophomore.

SPAN 561 - Latin American Civilization and Culture (2)

Designed to examine the cultural heritage of Latin America and its current state of political, economic and social development. Forces affecting the everyday life of the people are emphasized.

Class Restriction: Exclude Freshman and Sophomore.

SPAN 562 - Mexico and United States Hispanic Civilization and Culture (3)

The course examines the history and cultural heritage of the contemporary Mexican and of the Hispanics (Chicano, Cuban, Puerto Rican) living in the United States.

Offered: Generally offered Summer - Check with department/school for next offering. Class Restriction: Exclude Freshman and Sophomore.

SPAN 570 - Readings in United States Hispanic Literature (1 - 6)

Designed to cover literature in English or Spanish by United States Hispanics: Mexican, Cuban or Puerto Rican Americans. Readings in narrative, theatre, poetry. Content is variable and determined by instructor.

Class Restriction: Exclude Freshman and Sophomore.
Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

SPAN 571 - Readings in Spanish Literature (1 - 3)

Thorough coverage of topics such as any period of Spanish literature, especially the Golden Age, the generation of 1898 and post-Civil War novel.

Class Restriction: Exclude Freshman and Sophomore.
Repeatable Status: Course is repeatable with a maximum of 3 credit hours.

SPAN 572 - Readings in Latin American Literature (1 - 3)

Designed to cover selected readings in Latin American literature. Course may be designed by author, themes or genre. Content is variable and will be determined by instructor.

Class Restriction: Exclude Freshman and Sophomore.
Repeatable Status: Course is repeatable with a maximum of 3 credit hours.

SPAN 576 - Mexican Literature (1 - 3)

Provides a basic understanding of Mexican literature, its general trends and some of the most important authors in each of the four genres: poetry, novel, theatre and short story.

Class Restriction: Exclude Freshman and Sophomore.

SPAN 580 - Grammar Topics (1 - 6)

An in-depth study of difficult Selected structures of the language, which traditionally present problems; such as: the subjunctive mood, ser and estar, preterite vs. imperfect and others.

Class Restriction: Exclude Freshman and Sophomore.
Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

SPAN 581 - Advanced Spanish Grammar (2)

An intensive study of the more complex theories and forms of Spanish grammar, with emphasis in mood, tense and voice.

Class Restriction: Exclude Freshman and Sophomore.

SPAN 583 - Oral and Written Discourse (2)

Designed to enable students to speak and write extensively in Spanish, using description, narrations and exposition. Emphasis will be on fluency, accuracy and organization.

Class Restriction: Exclude Freshman and Sophomore.

SPAN 600 - Introduction to Graduate Study and Research Methods (3)

Orientation to graduate study in the MA in Foreign Languages: Spanish Teaching Concentration, presents principles of design, analysis, and methodology of graduate-level research and writing the areas of pedagogy, linguistics, literature and cultural studies.

Level Restriction: Include GR.

SPAN 622 - Directed Studies (1 - 3)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

SPSY - School Psychology

College of Education and Behavioral Sciences

Department of School Psychology (p. 84)

SPSY 508 - Workshop (1 - 3)

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

SPSY 513 - Professional Renewal (1 - 3)

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than the acquisition of general discipline knowledge of methodologies.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

SPSY 618 - Practicum in Child, Adolescent, and Family Interventions (5)

Supervised experience providing interventions to children, adolescents, and their families; includes counseling and play techniques, review of digital recordings, group and individual supervision, and course seminars. S/U graded.

Special Notes: Consent of instructor required Prerequisite: (APCE 607 or APCE 707 with a minimum grade of C). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 10 credit hours. Course Fee: Course Fee Required.

SPSY 622 - Directed Studies (1 - 3)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

SPSY 625 - Applied Developmental Science (3)

Addresses the dynamic nature of individual and family functioning and the interaction of biology and environments. Emphasis on integration of theory and research in developing programs that foster healthy development.

Level Restriction: Include GR.

SPSY 628 - Applied Behavior Analysis (3)

Overview of concepts and principles related to applied behavior analysis, including application of behavioral principles with children and adolescents in school and home settings.

Offered: Generally offered Fall Annually. Level Restriction: Include GR.

SPSY 629 - Single-Case Research Methods (3)

Provides conceptual and practical knowledge and skills in the design, implementation, and interpretation of single case experimental designs. Application to education stressed.

Prerequisite: SPSY 628 with a minimum grade of C. Offered: Generally offered Spring Annually. Level Restriction: Include GR.

SPSY 630 - Functional Behavioral Assessment (3)

This course covers understanding and use of functional behavioral assessment, functional assessment of academics, and functional analysis procedures. Addresses selecting and prioritizing target behaviors, and developing behavior intervention plans to support youth in home and school settings.

Prerequisite: SPSY 628 with a minimum grade of C. Offered: Generally offered Fall Annually. Level Restriction: Include GR.

SPSY 640 - School-Based Psychological Consultation (3)

Addresses the practice of psychological consultation with school personnel and families. Includes coverage of major consultation theories, school culture, and how consultation is applied to service delivery systems in schools.

Major/Minor Restriction: Include School Psychology. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

SPSY 644 - Assessment I: Cognitive and Academic Functioning (5)

Supervised experience using a problem-solving approach to assess, plan, and monitor child, adolescent, and adult functioning in the areas of cognitive processing and academic achievement in school and community settings.

Prerequisite: Concurrent Prerequisite SPSY 670 with a minimum grade of C. Major/Minor Restriction: Include School Psychology. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Course Fee: Assessment Fee Required.

SPSY 646 - Assessment II: Socio-Emotional and Behavioral Functioning (3)

Application of major strategies and techniques for behavior and personality assessment of children (K-12) and young adults, with an emphasis on integrating behavioral, cognitive and academic assessment results for effective intervention.

Special Notes: Consent of instructor required. Prerequisite: SPSY 644 with a minimum grade of C. Level Restriction: Include GR. Course Fee: Assessment Fee Required.

SPSY 647 - Assessment and Intervention for Social and Emotional Problems in Children and Adolescents (3)

Understand and implement techniques for assessing social and behavioral functioning in children and adolescents for the purpose of designing effective interventions in home and school settings.

Prerequisite: (SPSY 644 and SPSY 670 with a minimum grade of C). Offered: Generally offered Spring Annually. Level Restriction: Include GR. Course Fee: Assessment Fee Required.

SPSY 654 - Equity, Diversity and Inclusion for School Psychological Practices (3)

This course is designed to introduce students to some of the cultural, socioeconomic, and ethnic variables that influence service delivery in school psychology. Students will develop an understanding and appreciation of cultural and ethnic differences among individuals, groups, and families. Students will be equipped to advocate for and implement socially just practices within their professional work.

Offered: Generally offered Spring Annually. Program Restrictions: Include . Level Restriction: Include GR.

SPSY 655 - Family, School, and Community Contexts (3)

This course provides an advanced understanding of theory, research, and interventions, as applied to individuals, families, schools, and social systems.

Level Restriction: Include GR.

SPSY 656 - Systems-Based Behavioral Health (3)

This course prepares students to design and implement programs that promote children's mental health, academic success, and social competence. Students will become familiar with implementation science, systems theory, and models of service delivery.

Level Restriction: Include GR.

SPSY 663 - Seminar in Research and Professional Practice (1)

Build research skills and knowledge serving under the mentorship (research apprentice) of a faculty member. Must complete three credit hours over three semesters.

Level Restriction: Include GR. Repeatable Status: Course may be repeated 3 times.

SPSY 667 - Intervening with Trauma and Crisis in the Schools (3)

Examination of theories of trauma and crisis for use in school settings. Emphasis is given to developing systems that support individuals who have experienced trauma and on strategies for preventing, responding to, and recovering from crisis.

Level Restriction: Include GR.

SPSY 670 - Principles of Psychometrics and Assessment (3)

Understanding psychological testing through an overview of measurement principles, the psychological assessment process, data management, test construction and development and use of test results in individual psychoeducational evaluations and intervention planning.

Level Restriction: Include GR.

SPSY 747 - Psychological Aspects of Academic Programming and Intervention (3)

Addresses applied psychological aspects of curriculum, instruction, and learning environment in relation to the development, implementation, and monitoring of academic interventions in the areas of reading, math, and written language.

Level Restriction: Include GR.

SPSY 749 - Supervision and Leadership in School Psychology (3)

Seminar and applied practice in providing supervision in assessment, counseling, and/or school-based practice to students who are at the early stages of their preparation as school psychologists.

Prerequisite: (SPSY 618 and SPSY 775 and SPSY 779 with a minimum grade of C). Level Restriction: Include GR.

SPSY 758 - Psychopathology in Schools and Clinical Settings (3)

This course is designed to introduce contemporary developmental and diagnostic frameworks for understanding mental disorders, particularly for childhood and adolescence. The course will review the theoretical and empirical bases for psychopathology.

Offered: Generally offered Spring Annually. Level Restriction: Include GR.

SPSY 763 - Legal and Professional Foundations of School Psychology (4)

Professional issues and problems concerning the school psychologist, including certification and licensure requirements, confidentiality, legal and ethical issues, roles and responsibilities.

Program Restrictions: Include School Psychology-PHD and School Psychology-EDS. Level Restriction: Include GR.

SPSY 775 - Supervision in School Psychology (3)

Provides an overview of the theories and practice of school psychology supervision. Additionally, under faculty supervision, students participate and apply their skills in in the instruction and supervision of students in testing courses.

Prerequisite: SPSY 644 with a minimum grade of C. Level Restriction: Include GR. Repeatable Status: Course may be repeated 1 time.

SPSY 776 - Externship in School Psychology (1 - 2)

This course provides students the opportunity to refine their skills (e.g., assessment, counseling) through supervised experience in a hospital, clinic, and/or school setting under the supervision from a licensed psychologist. Must complete a total of 2 credits. S/U graded.

Prerequisite: (SPSY 644 and SPSY 646 with a minimum grade of C). Offered: Generally offered Fall, Spring, and/or Summer Annually. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 9 credit hours.

SPSY 778 - Clinical Neuropsychology Practicum (3)

Supervised practice in administering and interpreting neuropsychological tests and qualitative procedures for children, adolescents, and adults. Emphasizes case conceptualization and intervention development from a neuropsychological perspective.

Prerequisite: (APCE 612 or SPSY 618 with a minimum grade of C) and (APCE 678 or SPSY 646 with a minimum grade of C). Level Restriction: Include GR.

SPSY 779 - Practicum in School Psychology (1 - 3)

Supervised experience in the provision of comprehensive psychological services to children/adolescents within a school setting. Must complete 6 credits over the academic year.

Prerequisite: (APCE 607 or APCE 707 with a minimum grade of C) and (SPSY 628 and SPSY 640 and SPSY 747 with a minimum grade of C). Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

SPSY 781 - Evaluation of Psychological Services (3)

Learn the theory and practice of psychological program evaluation. Use technology and measurement skills to promote systems change by evaluating the effectiveness of consultation, therapy, guidance, academic interventions, and placement.

Level Restriction: Include GR.

SPSY 789 - Internship in School Psychology (1 - 8)

Supervised experience in the practice of school psychology with children and adolescents in a school or clinic setting. (See Ph.D./Ed.S. Internship Guidelines for a complete description.)

Prerequisite: (SPSY 646 or SPSY 647 with a minimal grade of C) and (SPSY 644 and SPSY 779 with a minimum grade of C). Offered: Generally offered Fall, Spring, and/or Summer Annually. Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 8 credit hours. Course Fee: Supervision Fee Required.

SPSY 797 - Doctoral Proposal Research (1 - 4)

Required for all doctoral students. Student must earn a maximum of 4 hours of credit in this course in partial fulfillment of requirements for all doctoral degrees, before admission to candidacy. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 4 credit hours.

SPSY 799 - Doctoral Dissertation (1 - 12)

Required of all doctoral candidates. A student must earn a minimum of 12 hours of credit for the dissertation in partial fulfillment of requirements for all doctoral degrees. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

SRM - Statistics and Research Methods

College of Education and Behavioral Sciences

Department of Applied Statistics and Research Methods
(p. 82)

SRM 502 - Applied Statistics (3)

Hypothesis formulation and testing; estimation and confidence limits; one and two-sample tests; and statistical decision theory. Study inferences arising from distribution functions: t, F, chi-square, binomial, normal.

Class Restriction: Exclude Freshman and Sophomore.

SRM 519 - Qualitative Analysis Software (1)

An overview and basic understanding of qualitative analysis software including preparation of data files, managing text and images, creating codes, memos, queries models and reports.

Level Restriction: Include GR.

SRM 520 - Introduction to Statistical Computing (1)

The course is designed to familiarize students with the use of statistical packages on both the mainframe and microcomputer platforms. Students will learn to organize, input, and analyze data.

Class Restriction: Exclude Freshman and Sophomore.

SRM 521 - Statistical Computing with SPSS (1)

Course will acquaint students with the data management, data transformation and statistical analysis procedures available in SPSS for Windows.

Prerequisite: Concurrent Prerequisite SRM 602 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

SRM 522 - Introduction to R (1)

The R programming language is an important and current research tool for statisticians. Students will receive an introduction to data manipulation, graphical techniques, model building and some programming using R.

Class Restriction: Exclude Freshman and Sophomore.

SRM 523 - Introduction to SQL (1)

This course provides an introduction to the Structured Query Language (SQL). Students will learn to write retrieval queries and manage data in a relational database.

Level Restriction: Include GR.

SRM 524 - Introduction to Mplus (1)

The goal of this course is to familiarize students with the use of the Mplus software (Muthen and Muthen, 1998-2017). Students will become acquainted with the basics of Mplus. The course will focus on using Mplus for latent variable modeling.

Program Restrictions: Include App Statistic/Resrch Mthds-MS and App Statistic/Resrch Mthds-PHD. Level Restriction: Include GR.

SRM 531 - Research and Statistical Consulting I (1)

This course is intended to present an introduction to the concepts and issues surrounding statistical consulting. Students will learn and practice the process of consulting and communicating with clients.

Class Restriction: Exclude Freshman and Sophomore.

SRM 551 - Mathematical Statistics with Applications I (4)

Study of probability, random variables, distributions, moments, expected values and standard probability laws, probability bounds and point estimation.

Class Restriction: Exclude Freshman and Sophomore.

SRM 552 - Mathematical Statistics with Applications II (4)

Continuation of SRM 551. Sampling distributions, estimation techniques, maximum likelihood, tests of hypothesis, confidence intervals, regression and chi-square tests.

Prerequisite: SRM 551 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

SRM 595 - Special Topics in Applied Statistics and Research Methods (1 - 4)

Specialized topics or contemporary issues. Topics vary.

Class Restriction: Exclude Freshman and Sophomore.

Course Attribute: Variable Title Course. Repeatable Status:

ST - Repeatable under different subtitles and course may be repeated 1 time.

SRM 600 - Introduction to Graduate Research (3)

Principles of research, design and analysis. Read and critique published research. Required of all first year graduate students except in those departments with substitutes. Taught every semester.

Level Restriction: Include GR.

SRM 602 - Statistical Methods I (3)

Brief review of descriptive statistics. Covers probability, inference and sampling, correlation, hypothesis testing one-way ANOVA and an introduction to computer statistics packages.

Prerequisite: SRM 600 with a minimum grade of C. Level Restriction: Include GR.

SRM 603 - Statistical Methods II (3)

Continuation of SRM 602. Review of one-way ANOVA. Covers multiple comparisons, factorial designs, nested and mixed models, repeated measures, analysis of covariance and use of computer statistics packages.

Prerequisite: SRM 602 with a minimum grade of C. Level Restriction: Include GR.

SRM 606 - Multiple Linear Regression Analysis (3)

Matrix approach to continuous and categorical variables, polynomial Selected non-linear models; formulation of ANOVA and ANCOVA designs and collinearity; regression methods; backward elimination, forward selection, stepwise regression.

Prerequisite: (SRM 502 or SRM 603 with a minimum grade of C). Level Restriction: Include GR.

SRM 607 - Non-Parametric Statistics (3)

Study non-parametric tests; the rationale underlying the tests; examples of application of the tests in behavioral research; and comparison of the tests with their parametric equivalents.

Prerequisite: SRM 502 with a minimum grade of C. Level Restriction: Include GR.

SRM 608 - Experimental Design (3)

Topics include factorial designs, crossed/nested designs, repeated measurements, blocking, analysis of covariance, pre- and post-multiple comparisons, trend analysis, power and use of computer software.

Prerequisite: (SRM 502 or SRM 603 with a minimum grade of C). Level Restriction: Include GR.

SRM 609 - Sampling Methods (3)

Learn methods of survey sampling, including such topics as simple and stratified random sampling, ratio estimation, cluster sampling, systematic sampling, questionnaire design, problems of non-response and non-sampling errors.

Prerequisite: SRM 502 with a minimum grade of C. Level Restriction: Include GR.

SRM 610 - Statistical Methods III (3)

Additional multiple regression topics. Introduction to MANOVA designs, discriminant analysis, factor analysis, cluster analysis, and path analysis.

Prerequisite: (SRM 502 or SRM 603 with a minimum grade of C). Level Restriction: Include GR.

SRM 611 - Advanced Statistical Data Analysis (3)

This course is intended to provide students with the tools to perform analyses that go beyond traditional methods such as multiple regression, multiple ANOVA, and classical repeated-measures ANOVA, including data situations in which these modeling techniques have failed assumptions. General topics include diagnostics and remedies for failed traditional linear modeling assumptions, missing data techniques, power and sample size calculations and simulations, and other modern data methods.

Prerequisite: (SRM 502 or SRM 603 with a minimum grade of C). Level Restriction: Include GR.

SRM 614 - Linear Models (3)

Advanced topics in matrix algebra with applications to statistics. Development of the theory of linear models as a structure for handling problems in regression, analysis of variance, and experimental design.

Prerequisite: (SRM 502 and SRM 551 with a minimum grade of C). Level Restriction: Include GR.

SRM 619 - Applied Longitudinal Data Analysis (3)

This course is intended to provide students with the tools to perform appropriate and informative longitudinal data analyses. The level of the topics and discussions are intended to appeal to both established researchers with experience working with longitudinal data as well as new researchers with no background in longitudinal data.

Prerequisite: (SRM 502 or SRM 603 with a minimum grade of C). Level Restriction: Include GR.

SRM 620 - Advanced Statistical Programming (3)

Introduces advanced programming tools using the SAS System. Designed to better qualify students for jobs in statistical data analysis.

Prerequisite: (SRM 520 or SRM 502 or SRM 603 with a minimum grade of C). Level Restriction: Include GR.

SRM 622 - Directed Studies (1 - 3)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

SRM 625 - Applied Multiple Regression Analysis (3)

Acquaint students with the major applications of and issues related to multiple regression analysis. Gain the skills necessary for conducting and interpreting studies involving multiple regression analysis.

Prerequisite: (SRM 602 and SRM 603 with a minimum grade of C). Level Restriction: Include GR.

SRM 626 - Applied Multilevel Modeling (3)

Acquaint students with the major applications and issues related to multilevel modeling. Gain the skills necessary for conducting and interpreting studies involving multilevel modeling.

Prerequisite: (SRM 602 and SRM 603 and SRM 625 with a minimum grade of C). Level Restriction: Include GR.

SRM 627 - Survey Research Methods (3)

Covers the uses of surveys, the process involved in designing and implementing a survey study, and general issues related to survey research.

Prerequisite: (PSY 674 and SRM 600 and SRM 602 with a minimum grade of C). Level Restriction: Include GR.

SRM 629 - Structural Equation Modeling (3)

Applications of and issues related to covariance structure modeling. Students will gain skills needed for designing, conducting, and interpreting studies involving confirmatory factor analysis and latent variable path modeling.

Prerequisite: (SRM 625 and SRM 610 with a minimum grade of C). Level Restriction: Include GR.

SRM 635 - Categorical Data Analysis (3)

Principles of Categorical Data Analysis. Emphasis on log-linear and logic modeling techniques, which parallel many features of the general linear model in the continuous case. Taught alternate years.

Level Restriction: Include GR.

SRM 636 - Applied Bayesian Statistics (3)

This course provides an introduction to Bayesian statistical methods for inference. Topics include prior, likelihood, posterior, and predictive distributions, Bayesian analysis of single parameter models and simple multi-parameter models using conjugate, non-informative and informative priors, hierarchical modeling, and simulation of posterior distributions and posterior summaries using statistical packages.

Prerequisite: SRM 502 with a minimum grade of C. Level Restriction: Include GR.

SRM 637 - Applied Time Series Analysis (3)

Covers, the principles of analyzing time series data; descriptive techniques, time series models; ARIMA, SARIMA, fitting time series models in time domain, forecasting, model selection and diagnostic checking.

Prerequisite: (SRM 606 or SRM 625 with a minimum grade of C). Level Restriction: Include GR.

SRM 641 - Special Topics (1 - 4)

Advanced topics in applied statistics, measurement theory and research. Specific topics will be determined by the instructor and by current student needs.

Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

SRM 645 - Statistical Process Control (3)

Introduction to the use of statistical methods for quality improvement. Provides a comprehensive coverage of material from basic principles to state-of-the-art concepts and applications to both product and non-product situations.

Prerequisite: SRM 502 with a minimum grade of C. Level Restriction: Include GR.

SRM 650 - Research and Statistics Colloquium (1)

Required of all Master's and doctoral students. Students present the results of their own research and critique and discuss the presentations of other students and faculty. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

SRM 660 - Mixed Methods Research (3)

Topics will include the historical background, 'paradigm wars', design, theory, advantages/disadvantages, writing and defending proposals, validity/reliability and data analysis of mixed methods or complimentary research.

Prerequisite: (SRM 680 and SRM 602 and Concurrent Prerequisite SRM 603 with a minimum grade of C). Level Restriction: Include GR.

SRM 665 - Data Analysis for Decision-Making (3)

Decision-making inquiry for addressing real-world problems in education, health, and social science settings. Students will gain skills needed to design, analyze, and communicate findings to support data-informed decision-making.

Prerequisite: (SRM 600 and SRM 602 with a minimum grade of C). Level Restriction: Include GR.

SRM 670 - Evaluation: Models and Designs (3)

Theories and methods of program evaluation, models of evaluation and the social context of evaluation. Nature and types of evaluation, planning, proposal writing and measurements.

Prerequisite: SRM 600 with a minimum grade of C. Level Restriction: Include GR.

SRM 671 - Grant Writing for Evaluators (3)

Emphasis on application of advanced skills in research and evaluation to the pre-proposal, proposal and post-proposal phases of the grant writing process. Students will develop an applied project with stakeholders.

Prerequisite: SRM 670 with a minimum grade of C. Level Restriction: Include GR.

SRM 673 - Evaluation: Advanced Methods (3)

Advanced methodological techniques for program evaluation. Topics include tailoring evaluations to the needs of clients and stakeholders, diagnostic procedures and needs assessments, program monitoring and judging the impact of programs.

Prerequisite: SRM 670 with a minimum grade of C. Level Restriction: Include GR.

SRM 680 - Introduction to Qualitative Research (3)

This course introduces qualitative research. Students will explore the foundations, methods and processes of qualitative research and will learn to evaluate published research.

Level Restriction: Include GR.

SRM 683 - Visual and Virtual Inquiry (3)

Students will explore research topics in visual and virtual inquiry including: history, contemporary relationship to critical research, ethical dilemmas, and current use in their own discipline. Visual and virtual products will be developed as demonstrations of students' increased methodological understandings.

Prerequisite: SRM 680 with a minimum grade of C. Level Restriction: Include GR.

SRM 684 - Research Ethics (1)

Study of ethics in human research including history, theory, disciplines' codes, IRB, distinctive respondents. Students receive an IRB training certificate, learn to prepare IRB application, and develop an ethical stance.

Level Restriction: Include GR.

SRM 685 - Educational Ethnography (3)

Provides in-depth study of ethnography as related to educational research including issues of ethics, politics, diversity, and the researcher's role. Students will propose and conduct a mini-educational ethnography.

Prerequisite: SRM 680 with a minimum grade of C. Level Restriction: Include GR.

SRM 686 - Qualitative Case Study Research (3)

In depth examination of qualitative case study research. Characteristics of general case studies along with specific types of case studies will be covered. Students will propose and conduct a mini-case study.

Prerequisite: SRM 680 with a minimum grade of C. Level Restriction: Include GR.

SRM 687 - Narrative Inquiry (3)

In depth study of narrative research including life history, oral history, biography, and auto-ethnography. Group and individual narrative inquiries will be conducted. Interviewing, ethics and research benefiting participants will be emphasized.

Prerequisite: SRM 680 with a minimum grade of C. Level Restriction: Include GR.

SRM 688 - Writing Qualitative Research (3)

An in-depth study of the role writing plays in quantitative research data collection, analysis and representation. Students will use data they collected in a variety of analysis and writing activities.

Prerequisite: (SRM 680 with a minimum grade of C) and (SRM 685 or SRM 686 or SRM 687 with a minimum grade of C). Level Restriction: Include GR.

SRM 689 - Internship in Applied Statistics (1 - 10)

Experiential learning in an on-campus setting, such as the Research Consulting Lab. Students work a minimum of 3 hours per week for each hour of credit. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 10 credit hours.

SRM 694 - Practicum (1 - 9)

Experiential learning in an on-campus setting, such as the Research Consulting Lab, in conjunction with supervision by a faculty member. Students work a minimum of 3 hours per week for each hour of credit. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 18 credit hours.

SRM 697 - Master's Project (3)

This course is intended to facilitate a capstone project at or near the completion of all other required courses for the MS Applied Statistics and Research Methods degrees. S/U graded.

Prerequisite: (SRM 502 and SRM 600 with a minimum grade of C). Level Restriction: Include GR.

SRM 700 - Advanced Research Methods (3)

Advanced research designs, concepts and methods. Required of all specialist and doctoral candidates.

Prerequisite: (SRM 502 or SRM 602 with a minimum grade of C). Level Restriction: Include GR.

SRM 705 - Advanced Issues in Research Methods (3)

Seminar is designed to acquaint advanced doctoral students with selected current issues in the field of research methodology. Topics will vary based on instructor and student interest.

Prerequisite: (PSY 674 and SRM 602 and SRM 603 and SRM 610 with a minimum grade of C). Level Restriction: Include GR.

SRM 731 - Multivariate Analysis (3)

Introduces multivariate data structures including geometrical properties and interpretations, the multivariate normal distribution, multivariate one- and two-sample tests on mean vectors and covariance matrices, MANOVA, and profile analysis.

Prerequisite: (SRM 551 and SRM 614 with a minimum grade of C). Level Restriction: Include GR.

SRM 732 - Research and Statistical Consulting II (2)

Skills and strategies for effective consulting in research, statistics, and evaluation. Students will learn about good consulting practice and will gain hands-on experience in oral and written communication with clients.

Prerequisite: (SRM 502 and Concurrent Prerequisite SRM 700 with a minimum grade of C). Level Restriction: Include GR.

SRM 752 - Statistical Inference (4)

The theoretical fundamentals of mathematical statistics and inference including: limiting distributions, statistics and sampling distributions, point estimation, sufficiency and completeness, interval estimation, and tests of hypotheses.

Prerequisite: SRM 551 with a minimum grade of C. Major/Minor Restriction: Include Appld Statistics/Resrch Mthds. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

SRM 763 - Apprenticeship (1 - 3)

Work with faculty member on professional endeavors such as research, writing, course planning or public service. Requires 3 hours per week for each credit. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 9 credit hours.

SRM 797 - Doctoral Proposal Research (1 - 4)

Required of all doctoral students. Doctoral students must earn 4 hours as partial fulfillment of requirements for the doctorate. Check with the Graduate School regarding appropriate procedures and formats. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 4 credit hours.

SRM 799 - Doctoral Dissertation (1 - 12)

Required of all doctoral candidates. Must earn 12 hours as partial fulfillment of requirements for the doctorate. Dissertation must be approved by and defended before the dissertation committee. S/U graded.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with no limitations.

STEM - Science, Technology, Engineering, and Mathematics Education

College of Natural and Health Sciences

School of Mathematical Sciences (p. 93)

Science Education Programs (p. 95)

STEM 540 - STEM Methods I (3)

Introduces methods of teaching secondary school mathematics and science while incorporating elements of computer science, engineering, and technology. Course aims to develop future STEM professionals who are reflective practitioners.

Corequisite: EDFE 501. Class Restriction: Exclude Freshman and Sophomore.

STEM 541 - STEM Methods II (3)

Refines methods of teaching secondary school mathematics and science while incorporating elements of computer science, engineering, and technology. Course aims to develop future STEM professionals who are reflective practitioners.

Prerequisite: STEM 540 with a minimum grade of C. Corequisite: EDFE 554. Class Restriction: Exclude Freshman and Sophomore.

TASL - Teaching American Sign Language

College of Education and Behavioral Sciences

Department of American Sign Language and Interpreting Studies (p. 81)

TASL 501 - First and Second Language Acquisition in ASL (3)

The course will introduce major theories of acquisition, and similarities and differences between first language and second language acquisition and learning for teaching ASL as L1 and L2.

Class Restriction: Exclude Freshman and Sophomore.

TASL 502 - ASL Teaching Methods (3)

This course will introduce theories and methods for teaching ASL as L1 and L2 across multiple instructional settings: elementary, secondary and post-secondary.

Class Restriction: Exclude Freshman and Sophomore.

TASL 503 - ASL Assessment and Testing (3)

The course will discuss classroom assessment tools and evaluation techniques to assess L1 and L2 ASL students' receptive, expressive and conversational skills and socio-cultural knowledge across multiple instruction settings.

Major/Minor Restriction: Include Teaching American Sign Lang. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

TASL 504 - ASL Curriculum Development and Design (3)

This course will examine curriculum development in ASL education across multiple educational settings. Development and models of syllabi, including instructional technology and materials, along with lesson plans will be explored.

Major/Minor Restriction: Include Teaching American Sign Lang. Type of Restriction For Major/Minor Code: Major(s)/Minor(s). Level Restriction: Include GR.

TASL 505 - Teaching Deaf Community, Culture, and ASL Literature (3)

The course will focus on methods of teaching Deaf community and culture, and ASL literature in ASL classes. Appropriate cultural, community and literature contents will be explored.

Major/Minor Restriction: Include Teaching American Sign Lang. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

TASL 506 - Contemporary Professional Issues in Teaching ASL (3)

The course will explore and address the contemporary issues in the profession of teaching ASL including language policy, state and national credentialing issues.

Major/Minor Restriction: Include Teaching American Sign Lang. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

TASL 507 - ASL Research Methods (3)

The purposes, values, designs and methods of research in educational setting will be introduced. The students will conduct research on a topic related to ASL teaching.

Major/Minor Restriction: Include Teaching American Sign Lang. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

TASL 511 - American Sign Language Linguistics (3)

This course involves a comprehensive review of current sign language linguistics research with emphasis on how it shapes ASL education, and guides educators to develop appropriate curriculum materials that address different needs of language competence.

Offered: Generally offered Spring Annually. Class Restriction: Exclude Freshman and Sophomore.

TASL 560 - Special Topics in Teaching American Sign Language (1 - 6)

Advanced topics in Teaching American Sign Language. Specific topics will be determined by the instructor and by current student needs. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

TASL 593 - Practicum for ASL Teaching I (3)

Students will have observational learning experiences with other ASL teachers in ASL as first language or second language instruction in various education settings.

Major/Minor Restriction: Include Teaching American Sign Lang. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR.

TASL 594 - Practicum for ASL Teaching II (3)

Students will have in-depth teaching and learning experiences in teaching ASL as a first language or second language in an educational setting.

Prerequisite: TASL 593 with a minimum grade of C. Class Restriction: Exclude Freshman and Sophomore.

TASL 600 - ASL Graduate Research (3)

Students will gain the necessary knowledge and skills to understand, evaluate, and conduct quantitative and qualitative approaches to research surrounding the teaching and learning of ASL as a first or second language.

Offered: Generally offered Fall Annually. Level Restriction: Include GR.

TASL 622 - Directed Studies (1 - 3)

Individualized investigation under the direct supervision of a faculty member. Minimum of 37.5 clock hours required per credit hour. S/U graded.

Special Notes: Maximum concurrent enrollment is two times. Major/Minor Restriction: Include Teaching American Sign Lang. Type of Restriction For Major/Minor Code: Major(s). Level Restriction: Include GR. Repeatable Status: Course may be repeated 2 times.

THEA - Theatre Arts

College of Performing and Visual Arts

School of Theatre Arts and Dance (p. 98)

THEA 508 - Workshop (1 - 3)

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

THEA 513 - Professional Renewal (1 - 3)

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than the acquisition of general discipline knowledge or methodologies. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

THEA 601 - Graduate Practicum in Theatre (1 - 4)

This specialized, supervised fieldwork course involves theory and methodology in practice. Copies of written evaluation must be filed with instructor and department.

Level Restriction: Include GR. Repeatable Status: Course is repeatable with a maximum of 4 credit hours.

THEA 622 - Graduate Directed Research in Theatre (1 - 4)

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Level Restriction: Include GR. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

THED - Theatre Education

College of Performing and Visual Arts

School of Theatre and Dance (p. 98)

THED 500 - Academic Writing in Theatre Education (3)

In this first course in the MA in Theatre Education program, students will learn the fundamentals of writing expectations for graduate level work.

Level Restriction: Include GR.

THED 530 - Theatrical Production I (3)

Students will gain a solid working overview in design, including but not limited to the following: costuming, stage make-up, scenery, sound, and lighting.

Prerequisite: (THED 600 and THED 670 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore.

THED 531 - Theatrical Production II (3)

This course is a continuation of the ideals and concepts offered in THED 530 with emphasis placed upon those areas not addressed in Technical Production I.

Prerequisite: (THED 600 and THED 670 and THED 530 and THED 540 and THED 560 and THED 680 with a minimum grade of C) and (THED 690 or THED 696 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore.

THED 540 - Directing/Acting: Realism and Non-Realism/Period Styles (3)

This course will include advanced studies in the approaches and techniques of directing and acting in realism, as well as explore the styles and theatrical periods of non-realism.

Prerequisite: (THED 600 and THED 670 with a minimum grade of C). Degree Restriction: Include MA and MBS and MS and MACC and MAT. Class Restriction: Exclude Freshman and Sophomore.

THED 541 - Directing/Acting: Musical Theatre (3)

This course will explore the tasks of acting in, directing, choreographing, and mounting a musical theatre production.

Prerequisite: (THED 600 and THED 670 and THED 530 and THED 540 and THED 560 and THED 680 with a minimum grade of C) and (THED 690 or THED 696 with a minimum grade of C). Class Restriction: Exclude Freshman and Sophomore.

THED 560 - Innovative Strategies in Drama Education (3)

Students will research theatre education strategies practiced in the US and internationally. Focus will be paid to investigating methods which break the mold of traditional practices in most secondary school settings.

Level Restriction: Include GR.

THED 561 - Voice and Movement (3)

This course is designed to provide an advanced working knowledge of the voice using fundamental through advanced exercises. The movement section of this course will provide working knowledge of the actor's body and its connection to vocal work.

Level Restriction: Include GR.

THED 600 - Dramaturgy/Research Methodology (3)

Students learn effective research strategies for the field of theatre arts. Students will produce a dramaturgical protocol, requiring detailed preparatory research, testing of ideas, and public presentation of theory and concepts in practice.

Level Restriction: Include GR.

THED 670 - Advocacy, History, and Philosophy of Theatre Education (3)

This course will explore the history and philosophy of theatre education in the U.S. Participants will investigate the guiding question: why is theatre education essential for every school?

Level Restriction: Include GR.

THED 680 - Theatre Education Curriculum Development (3)

The purpose of this course is for students to apply the techniques and strategies acquired from previous courses into creating actual curriculum for their classrooms. Students will conduct interviews with experienced teachers in the field, research national theatre curriculum, and analyze and develop new curriculum.

Level Restriction: Include GR.

THED 690 - Thesis I (3)

In this course, students will prepare a prospectus proposal and a portion of the prompt book for their Master's thesis project.

Prerequisite: (THED 530 and THED 540 and THED 560 with a minimum grade of C). Level Restriction: Include GR.

THED 696 - Action Research I (3)

In this course, students will begin an action research plan developed and approved in THED 680: Theatre Education Curriculum Development.

Prerequisite: (THED 530 and THED 540 and THED 560 and THED 600 and THED 670 and THED 680 with a minimum grade of C). Level Restriction: Include GR.

THED 697 - Action Research II (3)

In this course, students will complete an action research project begun in THED 696 by drawing conclusions and discussing implications. They will submit final reports to graduate committees.

Prerequisite: (THED 530 and THED 531 and THED 540 and THED 541 and THED 560 and THED 561 and THED 600 and THED 670 and THED 680 with a minimum grade of C) and (THED 690 or THED 696 with a minimum grade of C). Level Restriction: Include GR.

THED 699 - Thesis II (3)

In this course, students will finish the dramaturgical protocol and promptbook for their Master's thesis project and produce the show that accompanies them both. S/U graded.

Level Restriction: Include GR.

TIP - Technology Innovation and Pedagogy

College of Education and Behavioral Sciences

School of Teacher Education (p. 85)

TIP 508 - Workshop (1 - 3)

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

TIP 513 - Professional Renewal (1 - 3)

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than the acquisition of general discipline knowledge or methodologies. S/U or letter graded.

Class Restriction: Exclude Freshman and Sophomore.
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

WLC - World Languages and Cultures

College of Humanities and Social Sciences

Department of World Languages and Cultures (p. 89)

WLC 531 - Teaching of Foreign Languages (3)

Study problems in teaching at secondary and elementary school levels, content development for course of study, organization of learning materials, teaching procedures, testing and evaluating. Normally conducted in workshop format.

Offered: Generally offered Summer - Check with department/school for next offering. Class Restriction: Exclude Freshman and Sophomore. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

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(2005), Vice President for University Advancement – University of Northern Colorado, B.A.; Regis University, M.N.M.

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(2022), Vice Provost for Academic Resources and Planning – Auburn University, B.S.; Auburn University, M.S.; Auburn University, Ph.D.

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(2002), Associate Vice President of Student Affairs – Ball State University, B.S.W.; Ball State University, M.A.; Northeastern University, Ed.D.

Jeri-Anne Lyons, Ph.D.

(2020), Associate Vice President of Research and Dean of the Graduate School – University of Wisconsin-Stevens Point, B.S.; Medical College of Wisconsin, Ph.D.

Nancy Matchett, Ph.D.

(2007), Associate Provost and Assistant Vice President for Undergraduate Studies – Brown University, B.A.; American University, M.A.; University of Maryland at College Park, Ph.D.

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(2019), Associate Vice President for Administration – University of Washington, B.A.; Colorado State University, M.S.

Assistant Vice Presidents and Assistant Provosts

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(2001), Assistant Provost for Academic Effectiveness – University of Northern Colorado, B.A.; University of Northern Colorado, M.A.; University of Northern Colorado, Ph.D.

Lyndsey Crum, J.D.

(2014), Assistant Vice President for Alumni & Community Relations – University of Northern Colorado, B.A.; University of Denver, J.D.

Deborah Farris, M.S.

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Peter Lien, M.S.

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Leila McCamey, M.S.

(2023), Assistant Vice President for Finance – Illinois Wesleyan University, B.M.E.; University of Colorado Denver, M.S.

Nate Reinhard, B.S.

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College Administration

College of Education and Behavioral Sciences

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College of Natural and Health Sciences

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University Libraries

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UNC FACULTY

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(2007), Professor of Applied Statistics and Research Methods - Shahid Chamran University, B.Sc.; Shahid Chamran University, M.Sc.; McGill University, Ph.D. (G, DR)

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