

SECONDARY EDUCATION: SCIENCE

Description

Students who complete this secondary education option, and are professionally admitted, are eligible to be endorsed to teach biology, chemistry, earth sciences, and physics in grades 7 through 12.

General Information

The College of Education and Human Sciences has the people, the programs and a proven track record that stretches across three centuries. We are dedicated to enhancing the lives of individuals, families, schools and communities and strengthening the relationships among them. CEHS is working collectively to enhance outcomes in early childhood, health and wellness, and communities. The College offers undergraduate programs leading to a bachelor of science in education and human sciences degree in a number of degree programs. Degree programs in teaching areas, when completed qualify a student to be considered by the Nebraska Department of Education for a teaching certificate.

Experiential learning and hands-on experiences are key components of degree programs in CEHS. Early field placement in public and private schools is a nationally recognized hallmark of the teacher education program in the College of Education and Human Sciences. While internships are a valuable enhancement to many students' education, in the College of Education and Human Sciences, practicum experiences and student teaching are a critical and essential part of the teacher education curriculum and these must be successfully completed.

Teacher education programs (or majors) are divided into field endorsements and single-subject endorsements. Field endorsements certify the candidate to teach a broader range of courses compared to single-subject endorsements, which certify the candidate to teach in only one subject area. Consequently, a teacher holding a field endorsement may be more marketable than a teacher holding a single-subject endorsement. Candidates may also elect to complete course requirements to apply for supplemental endorsements; these are additional endorsements that can be added to a field or single-subject endorsement but cannot be taken alone. Supplemental endorsements require additional credit hours beyond those needed for the first endorsement (field or single subject). Teachers may increase their marketability by adding supplemental endorsements.

Admission

All education programs have a competitive admission process. At some point in time, after meeting specific education requirements, all students must formally apply to their particular education program.

Professional Education Status

All newly admitted students who are pursuing a teacher preparation program can be declared within their major. Students will apply for professional admission for upper-level classes in the specific Teacher Education Program they are completing.

Admission to Student Teaching

Students are required to student teach to complete the educator preparation program and qualify for a Nebraska Teaching certificate.

Students must complete the student teaching application by the published deadline each semester to be eligible for a placement. A

student teaching placement requires a full-day, everyday experience for an entire semester. Admission to student teaching requires the following:

1. Matriculation in a teacher education program in the College of Education and Human Sciences, the Graduate College, or dual matriculation in the College of Education and Human Sciences and another college.
2. Admission to a specific teacher education program.
3. Senior standing (89 hours or more) with a minimum cumulative GPA of 2.75 on a 4.0 scale.
4. Minimum grade point average of 2.5 in the endorsement area with no grade below C.
5. A minimum grade point average of 2.5 in pre-professional and professional education courses and no grade below C in pre-professional education courses and no grade below a C+ in professional education courses.
6. All endorsement, pre-professional and professional education coursework must be completed prior to student teaching. If necessary, no more than 6 hours of general education (ACE) or elective classes can be completed after the student teaching experience with advanced approval from the Office of Field Experience & Certification.
7. No additional coursework can be taken during the student teaching semester unless prior approval is obtained from the Certification Officer, the Director of Field Experiences, or the Department Chair that oversees the program.

Praxis Content Exams

The Nebraska Department of Education (NDE) may require passing a content examination. A listing of the required exams can be found at: <http://www.ets.org/praxis/ne/requirements> (<http://www.ets.org/praxis/ne/requirements/>). Exam registration is available at <http://www.ets.org> (<http://www.ets.org/>).

Other

Student Teaching Placement

The Office of Accreditation, Placement, and Licensure is responsible for the placement of student teachers. Several factors are considered in assigning student teachers to a specific district and school, including the availability of a high-quality cooperating teacher and supervisor who meets the requirements of the Nebraska Department of Education and the University of Nebraska—Lincoln. Requests to student teach out-of-state are not guaranteed and require additional processes and extended timelines. Students wishing to request an out-of-state placement must meet with the Director of Field Experiences as early as possible to determine eligibility.

Removal from Field & Clinical Placements

Students participating in practicum or student teaching placements may be removed from their assigned schools if their performance does not meet required standards, if their conduct is unprofessional and/or threatens the well-being or learning of the students, or at the request of the school and/or district.

Practicum Students: Any student who is removed from a practicum assignment may appeal that decision by submitting a written request to the appropriate Department Chair within 30 days of the removal. The Department Chair will convene an appeals committee, request pertinent information from the student and CEHS personnel and notify the student seven business days in advance of the scheduled appeal meeting. Students are advised of their right to seek legal advice. The Committee's

decision will be forwarded in writing to the student, to the Director of Field Experiences, and to the Dean of the College.

Student Teachers: Guidelines for professional behaviors required of all student teachers can be found in The Student Teaching Handbook located on the CEHS website. Removal from a placement may be requested by the cooperating teacher, the building or the district administrator, or the university supervisor. The Director of Field Experiences will gather information and document efforts to correct the situation prior to making a decision on continuation.

Any student removed from the teaching assignment may appeal that decision by submitting a written request to Certification Officer within 30 days of the removal. The Certification Officer will convene an appeals committee, request pertinent information from the student, the advisor, and the Director of Field Experiences, and notify the student seven business days in advance of the scheduled appeal meeting. Students are advised of their right to seek legal advice. The Committee's decision will be forwarded in writing to the student, to the Director of Field Experiences, and to the Dean of the College.

Application for a Nebraska Teaching Certificate

To actively engage in the teaching profession, a candidate must fulfill both the CEHS degree requirements and the professional certification requirements of the Nebraska Department of Education. Students may apply for a Nebraska teaching certificate at www.education.ne.gov/tcert/ (<http://www.education.ne.gov/tcert/>).

Graduation Without Certification

In rare cases, permission may be granted for a student to graduate without a recommendation for teacher certification (GWC). Any student who pursues this option must have senior class standing and be within two semesters of student teaching. In addition, the student:

- Must be unable to qualify for student teaching based on grades or other performance-based issues.
- Be removed from student teaching by the Office of Accreditation, Placement, and Licensure.
- Be unable to complete all of the professional requirements in a teacher education program because of illness or another unusual situation.

If a student is unable to meet all of the requirements as described in the "Admission to Student Teaching" section, such as minimum course grade requirements for courses in the professional education sequence or in the content area, but still earns passing grades in those courses while maintaining the grade point average minimums, then the student may be eligible to GWC. A student should contact his or her advisor to determine eligibility and start the process, which includes the submission of a formal request to the College's Certification Officer to be allowed to graduate without completing all certification requirements. If permission is granted, the student is expected to complete all remaining content area and professional education requirements except student teaching. The requirements include passing grades in all remaining courses while maintaining the minimum grade point averages as specified in the "Admission to Student Teaching" section. The student must still meet the ACE 10 general education requirement and a plan will be part of the GWC process.

Any student who graduates without a recommendation for certification will not be recommended for teacher certification in any state. If, at some future time, the student wishes to complete certification requirements, (s)he must first appeal for readmission to a teacher education program.

At least one semester must pass after graduation before the appeal can be made unless the GWC plan incorporates specific timelines for re-entry. Students with extenuating circumstances (student athletes, health events, etc.) who receive approval from the Certification Office during the GWC application process will not be required to wait one semester before applying for readmission. If the appeal is granted, the student will be eligible to complete all requirements in effect at the time of re-entry and must earn passing grades in all methods courses.

Career Center

The CEHS Career Center, located in 105 Hezlik Hall, is staffed by Career Coaches who can help CEHS students explore opportunities, gain experiences, and tell their story to make their dream career path a reality. Career Coaches can help with resume writing, planning for graduate school, finding employment during or after degree completion, and more! The CEHS Career Center partners with University Career Services to provide campus-wide career programming as well as career fairs.

Criminal History Background Check Requirement

The College of Education and Human Sciences (CEHS) has the responsibility to ensure that all students who are in placements where they interact with children of all ages, served by schools or other public or private agencies, meet a high level of personal, professional and ethical behavior. These students must complete an official criminal history background check through the CEHS vendor prior to participating in a field experience or internship. Students are responsible for the cost of any required criminal history background checks. A background check is required prior to the first practicum placement or as part of a program's application program.

Students with felony or misdemeanor charges or convictions, as reported on the background check, may be contacted by the College. Depending upon the frequency and severity of the charges and/or convictions, students may be required to meet with the Director of Field Experiences. **If any new charges or convictions are acquired after a background check has been completed, students are required to report those to the Director of Field Experiences immediately after the event occurs.** Failure to disclose any new information concerning one's criminal history can lead to removal from the program. Continued participation in school or community field experiences in the College will be based on the type and number of convictions, the recency of those occurrences, and whether they violate the requirements of the Nebraska Department of Education and/or the Nebraska Department of Health and Human Services. If the convictions are deemed to be serious in nature, a student may be prohibited from participating in a field experience in a pre-school, school or public agency setting. The student may then be referred to the department chair for further disciplinary action.

Professional and Ethical Behavior: Avoiding Risky Behaviors

Students planning to enter professions in education or the human sciences must be able to demonstrate that they are individuals of strong moral character who can make mature decisions for themselves and others. Therefore, the College of Education and Human Sciences requires that its students show a high degree of moral character and the ability to act in a responsible manner. Students must consider how the College, the profession, an employer, or the community perceives or evaluates the impact of any questionable behavior. Students' success in their profession is impaired by taking risks that are unacceptable for children, demonstrating a lack of professionalism and good judgment, and showing disregard for one's personal reputation or the integrity of the College.

The College of Education and Human Sciences reserves the right to evaluate student fitness for the profession and deny entry to or dismiss a student from any program if, through the reasonable exercise of the judgment of its Certification Officer or the Director of Field Experiences, the College determines that the student's behavior represents a lack of integrity, questionable moral/ethical character, or represents a risk to young persons. Such behaviors shall be adequate foundation to deny the student's participation in any practicum or field experience to protect the interests and safety of children. The consequences of unprofessional, unethical, or risky behavior will depend upon the unique circumstances involved.

Appeal to the Dean

Should a student object to the determination made by the Certification Officer or the Director of Field Experiences with respect to criminal behavior or unprofessional behavior, the student may appeal to the Dean of the College, in writing, within ten days of the determination, requesting the Dean of the College to investigate and review the determination. The student's written appeal shall clearly explain the basis for the appeal. The Dean will review the student's basis for appeal and is authorized but not required to look into related concerns, whether or not such concerns are contained in the student's written appeal. The Dean shall render a decision on the appeal as soon as reasonably possible, but in no case longer than 20 days following the initiation of the appeal. Once the Dean has completed the review and investigation, he or she shall deliver to the student and the Certification Officer or the Director of Field Experiences a written decision, which shall be final and not subject to further appeal or review with the University of Nebraska

Admission to a Teacher Education Program (TEP)

Admission to the College of Education and Human Sciences does not guarantee admission into a teacher education program. Admission to the advanced phases of teacher education is selective and, in some options, highly competitive. Students must satisfy the following requirements in order to be eligible to apply to the Teacher Education Program:

1. A minimum 2.75 cumulative GPA.
2. Must have earned a minimum of 42 credit hours of college credit.
3. Completion and submission of the Teacher Education Program Application Form.
4. Completion of TEAC 331 School and Society and EDPS 251 Fundamentals of Adolescent Development for Education or an approved transfer course, (must be taken prior to or be in progress, the semester in which you apply to the TEP) with a 2.50 cumulative average in the two classes, and no grade lower than C; TEAC 259 Instructional Technology (must also be taken prior to or be in progress, the semester in which you apply to the TEP).
5. Faculty recommendations.
6. Completion of a formal criminal history review, for CEHS, by the vendor approved by CEHS (fee required).
7. Specific programs may have particular learning outcomes that students must address as part of the application process.

College Requirements

College Admission

Students accepted by the University must have an ACT of 20 or SAT of 950, a 3.0 cumulative high school grade point average, or rank in the upper half of their high school graduating class and have the following

high school preparation to be eligible for guaranteed admission to the College of Education and Human Sciences:

- Four years of English that include intensive reading and writing experience.
- Two years of one foreign language.
- Four years of mathematics that include Algebra I, II, geometry, and one year that builds on a knowledge of algebra.
- Three years of natural sciences that include at least two years selected from biology, physics, chemistry, and earth science and one year of laboratory instruction.
- Three years of social studies that include at least one year of American and/or world history and one year of history, American government, and/or geography.

Transfer and Readmitted Students

Transfer students from universities or colleges outside of the University of Nebraska–Lincoln and readmitted students seeking admission to the College of Education and Human Sciences must have an accumulated average of 2.0 on a 4.0 scale or above and no high school deficiencies. Students who do not meet these requirements must enroll as deciding students in the Exploratory and Pre-Professional Advising Center or in another college. Once they have completed 12 graded hours at Nebraska with a minimum 2.0 grade point average and have removed any high school deficiencies, University of Nebraska–Lincoln students may apply for admission to the College.

Transfer and readmitted students must meet the graduation requirements for the College of Education and Human Sciences as stated in the current catalog in effect at the time they enter or reenter the College.

Students who left the College on academic warning, or who were dismissed, may seek readmission to the College after two semesters by applying to the university's Admissions Office. Readmission is not assured. However, the admissions committee is receptive to giving students a second opportunity to be successful. The committee is interested in knowing what the student has done in the intervening period that would suggest the student will be successful when readmitted. Successfully completing correspondence courses and/or community college courses is an effective way to demonstrate one's commitment to academic success.

Transferring from Other Colleges within the University of Nebraska–Lincoln

Students transferring to the College of Education and Human Sciences from another University of Nebraska–Lincoln college or from the Exploratory and Pre-Professional Advising Center must have a minimum cumulative GPA of 2.0, be in good academic standing, and meet the freshman entrance requirements that exist at the time of their admission to the College of Education and Human Sciences. **Students must fulfill degree requirements that exist at the time of their admission to the college, not at the time they enter the University of Nebraska–Lincoln.**

To remain current, College of Education and Human Sciences students must enroll in, and complete, at least one university course that will apply toward degree requirements during a 12-month period. Students who readmit following an absence of one year or more must meet all requirements in the Undergraduate Catalog in effect at the time of readmission and enrollment. Students who transfer to another University of Nebraska–Lincoln college and later return to the College of Education and Human Sciences will be considered readmitted students. Students who transfer out of a teacher education program, but continue their

certification program while seeking a degree in another University of Nebraska–Lincoln college, are exempt from this policy.

International Students

The College of Education and Human Sciences welcomes undergraduate international students. As a part of admission to the College, international students must present a TOEFL score of 550 or higher and TSE score of 230 or higher.

Students seeking teacher education and state certification must meet the same requirements as any other undergraduate students. Students who have received a degree outside of the United States and are interested in teacher certification are required to have a transcript review completed by an approved agency not directly associated with the University of Nebraska. For more information, please contact the Student Services Center.

Removal of Deficiencies

Students admitted to the University with core deficiencies are expected to remove those deficiencies in a timely manner. Students with deficiencies are not eligible for graduation. The courses that students use to clear core deficiencies may also be used to meet ACE requirements or other graduation requirements. The Dean of the College of Education and Human Sciences will make the final decision concerning any problems or questions that may arise in satisfying requirements to remove deficiencies.

College Degree Requirements

Grade Rules

Minimum Grade Requirements

Grade requirements vary from major to major. Please see the appropriate major listing or check with your advisor regarding minimum grade requirements.

Pass/No Pass Option

CEHS students are allowed to take up to 12 hours of Pass/No Pass (P/N) credit. The college departments vary on P/N policies. Students should check with their advisor to be certain they qualify for the Pass/No Pass option.

Grade Appeals

Any student enrolled in a course in the College of Education and Human Sciences who wishes to appeal alleged unfair and prejudicial treatment by a faculty member shall present their appeal in writing to the Dean's Office no later than 30 days after notice of the student's final course grade has been mailed from campus.

Students may use and are encouraged to use the following sequential procedures to appeal the grade. The problem may be solved at any of the levels of the appeal procedure.

1. Contact the instructor. Frequently, the problems can be solved at this point.
2. Submit a request to the chair of the department.
3. Take the case to the departmental Grading Appeals Committee. The Committee is contacted by the department chair.
4. Take the case to the College Appeals, Retention and Certification Committee by contacting the Dean's Office.

The complaint will be forwarded to a committee consisting of faculty and student representatives. After a hearing, the Committee will make a written recommendation regarding the appeal. The Committee's

recommendation is binding on the appealing student and faculty member.

Transfer Credit Rules

Acceptance of Transfer Grades

- Grades earned at the University of Nebraska–Lincoln, UNO, UNK
- Grades of D-, D, D+, and C- satisfy requirements in all programs in the College unless specified otherwise. Students who receive a grade of D-, D, D+, C-, however, are encouraged to retake the course.
- Grades earned outside the University of Nebraska system

The college will accept no more than 9 credit hours of grades less than a C from any program outside the University of Nebraska system. Grades below a C can only be applied to general education requirements and elective classes.

Maximum Number of Hours for Transfer

Transfer courses are evaluated by the University and by the College to determine University of Nebraska–Lincoln and College course equivalencies. The College determines which courses will be accepted and how they will apply toward degree requirements. Sixty (60) is the maximum number of hours that will be accepted on transfer from a two-year college. Ninety (90) is the maximum number of hours that will be accepted on transfer from accredited four-year colleges and universities.

Courses taken 10 years before admission or readmission to the College will be evaluated by the major department to determine if it is appropriate to accept those courses for transfer credit and for application to degree requirements. Specific courses will be reviewed in keeping with the guidelines specified by each department.

Transfer Credit from Technical, Non-Accredited and Foreign Institutions

Students who desire to transfer from these institutions must have each course evaluated by the appropriate departmental representative. All rules stated above in reference to grades and maximum credit hours apply. For additional information and guidance in this process, contact the Dean's Office.

Transfer Agreements with UNO and UNK

Transfer agreements between the three institutions within the University System allow for a smooth transition for students interested in taking courses from UNO, UNK, and/or the University of Nebraska–Lincoln. Although restrictions noted above on grades and maximum transfer hours still apply, there are some exceptions. For purposes of residency, courses from UNO and UNK fulfill these requirements. Students planning to major in a program in the college should read the specific requirements noted with individual programs. Questions about academic transfer should be addressed to the Advising Office.

Transfer Agreements with Community Colleges

Articulation agreements and "Transfer with Ease Programs" with Nebraska community colleges indicate how courses and programs will transfer to the University of Nebraska–Lincoln and the College of Education and Human Sciences. The same guidelines noted above on the acceptance of courses, grades, and hours also apply to these institutions. Students interested in transferring from a community college should consult with their school or the Student Services Center to determine which courses will transfer to fulfill specific College of Education and Human Sciences requirements.

Courses from accredited two-year institutions will generally not be substituted for 400-level human sciences classes in the College. The 300-level courses will be considered on an individual basis by the respective departments in the College of Education and Human Sciences.

Courses taken prior to course articulation agreements will be accepted contingent upon departmental validation of the credit.

Residency Rules

Students must earn a minimum of 120 credit hours to earn a degree.

All students are expected to complete at least 30 of their final 36 hours of credit at the University of Nebraska-Lincoln, University of Nebraska Omaha, or University of Nebraska at Kearney.

Degree Application Process

Graduation Requirements

Students are expected to develop a clear understanding of degree requirements and to plan their course of study with a College advisor. Students requiring clarification of outstanding degree requirements should visit with a College advisor promptly.

Students should access their Degree Audit via MyRED at least once each term to review degree requirements and progress toward graduation. It is the student's responsibility to make sure their Degree Audit accurately reflects their current College and program of study.

Students who believe their Degree Audit has errors or omissions should visit with a College advisor promptly. It is important that you resolve these matters as soon as practicable to avoid a delay in graduation.

Each student with MyRED access must submit an online Application for Graduation via MyRED for each degree to be received by:

- The fourth Friday in January for May graduation
- The second Friday in June for August graduation
- The second Friday in September for December graduation

Students submitting an electronic Application for Graduation via MyRED will be billed a \$25.00 per degree fee on their student account. Students without MyRED access may apply for graduation **in person at Husker Hub in the Canfield Administration Building**, or by mail. Applications for graduation submitted in person or by mail must be accompanied by a check or money order in the amount of \$25.00 payable to the University of Nebraska–Lincoln. Failure to submit a timely Application for Graduation may preclude the awarding of a degree in the intended term.

Your Application for Graduation and required \$25.00 fee are good only for the term marked on your application. Neither your application nor your fee are transferrable to another term. If you submit an Application for Graduation and pay the \$25.00 fee for a specified term but do not complete your degree requirements in that term, you will need to reapply to graduate in a future term and incur another \$25.00 fee.

Commencement ceremony information will be emailed to all degree applicants approximately one month before graduation. Each student who has applied for graduation must submit an online Commencement Attendance Form via MyRED, which will be available when the informational email is distributed.

Only those students who have applied for graduation, had the application accepted, and fulfilled all degree requirements as of the last day of the academic term may participate in the commencement ceremony for that

term. Because the University of Nebraska–Lincoln has a commencement for each term, ceremony participation is allowed only in the term during which the student has properly and timely applied for graduation and fulfilled degree requirements.

Catalog Rule

Students are responsible for following the rules, policies, and requirements found in the University of Nebraska–Lincoln Undergraduate Catalog for the academic year in which they were last admitted to a program in the College of Education and Human Sciences. Students must complete all program requirements from a single catalog year. In consultation with their advisor, a student may choose to move to and follow a subsequent catalog if it is in their best interest.

Learning Outcomes

Graduates of secondary education/science will be able to:

1. Make science content accessible to grades 7-12 students, thus demonstrating their subject matter knowledge of major scientific concepts, principles, theories, laws, and their interrelationships.
2. Create, implement, and assess inquiry-based curriculum opportunities in which grades 7-12 students use scientific practices (e.g., collect and interpret data) in order to develop and communicate concepts and understand scientific processes, relationships, and natural patterns from empirical experiences.
3. Construct curriculum that is consistent with the goals and recommendations of state and/or national science education standards that includes the nature of science, inquiry, and the social context of science.
4. Collect, organize, analyze, and reflect upon diagnostic, formative, and summative evidence of learning; develop and use effective assessment strategies that are fair and equitable to measure student learning.
5. Create and maintain a safe, respectful, and productive learning environment that reflects a scientific classroom discourse community.
6. Use a variety of inquiry approaches with appropriate use of technology that enhances learning.
7. Deliver cognitively challenging and appropriate instruction that respects diverse students' needs (e.g., ELLs, students with special needs).

Major Requirements

Option Requirements

Eighty percent (80%) of courses meeting these option requirements must be completed prior to enrolling in your first professional methods course.

ACE Requirements

ACE 1		
Select one of the following:		3
ENGL 150	Writing and Inquiry	
ENGL 151	Writing for Change	
ENGL 254	Writing and Communities	
ACE 2		
TEAC 259	Instructional Technology (Pre-Professional Education Requirement) ¹	3
ACE 3		

Select one of the following: 3-5

MATH 106	Calculus I	
STAT 218	Introduction to Statistics	
EDPS 459	Statistical Methods	

ACE 4

LIFE 120 & 120L	Fundamentals of Biology I and Fundamentals of Biology I laboratory (Science Option Requirement) ¹	4
-----------------	--	---

ACE 5

3

ACE 6

EDPS 251	Fundamentals of Adolescent Development for Education (Pre-Professional Education Requirement) ^{1,6}	3
----------	--	---

ACE 7

3

ACE 8

TEAC 331	School and Society (Pre-Professional Education Requirement) ^{1,6}	3
----------	--	---

ACE 9

TEAC 330 / ETHN 330	Multicultural Education (Pre-Professional Education Requirement) ¹	3
---------------------	---	---

ACE 10

TEAC 403B	Secondary Student Teaching Seminar (Professional Education Requirement) ⁵	3
-----------	--	---

Credit Hours Subtotal: 31

Pre-Professional Education Requirements ¹

EDPS 251	Fundamentals of Adolescent Development for Education ⁶	3
EDPS 297	Professional Practicum Experiences II	1
TEAC 161	Teaching Matters	3
TEAC 259	Instructional Technology	3
TEAC 330	Multicultural Education	3
TEAC 331	School and Society ⁶	3

Credit Hours Subtotal: 4

Science Option Requirements ^{1,7}

A minimum of 24 hrs must be taken in one selected core science area below. 24

Biology Core

BIOS 201 or PLAS 215	General Genetics	
LIFE 120 & 120L	Fundamentals of Biology I and Fundamentals of Biology I laboratory	
LIFE 121 & 121L	Fundamentals of Biology II and Fundamentals of Biology II Laboratory	

Select one of the following:

ASCI 100 & 100L	Fundamentals of Animal Biology and Industry and Fundamentals of Animal Biology and Industry Laboratory	
PLAS 131 & PLAS 132	Plant Science and Agronomic Plant Science Laboratory	
PLAS 131 & PLAS 133	Plant Science and Horticultural Plant Science Laboratory	

Select one of the following:

BIOS 207 or NRES 211	Ecology and Evolution Introduction to Conservation Biology	
----------------------	--	--

NRES 220 Principles of Ecology and Ecology Laboratory

PLPT 270 / NRES 270 / PLAS 270 Biological Invaders

Select one or two of the following: ²

AGRI 115 Biotechnology: Food, Health and Environment

BIOS 115 / ENTO 115 Insect Biology

BIOS 202 Genetics, Molecular and Cellular Biology Laboratory

BIOS 213 & 213L Human Physiology and Human Physiology Laboratory

BIOS 312 Microbiology

NRES 281 / GEOG 281 Introduction to Water Science

Chemistry Core ³

CHEM 109A & CHEM 109L General Chemistry I and General Chemistry I Laboratory

CHEM 110A & CHEM 110L General Chemistry II and General Chemistry II Laboratory

CHEM 221A & CHEM 221L Elementary Quantitative Analysis and Elementary Quantitative Analysis Laboratory

CHEM 251 & CHEM 253 Organic Chemistry I and Organic Chemistry I Laboratory

CHEM 421 & CHEM 423 Analytical Chemistry and Analytical Chemistry Laboratory

CHEM 471 Physical Chemistry or CHEM 481 Physical Chemistry I

Earth & Space Science Core

ASTR 103 Descriptive Astronomy or ASTR 204 Introduction to Astronomy and Astrophysics and Astronomy and Astrophysics Laboratory & ASTR 224

GEOL 101 Dynamic Earth

GEOL 103 Earth Through Time

GEOL 109 Oceanography

METR 100 Weather and Climate

Select one of the following:

GEOL 106 Environmental Geology

NRES 108 Earth's Natural Resource Systems Laboratory

SOIL 153 / PLAS 153 Soil Resources

Select one of the following:

GEOL 105 Fossils and the History of Life

GEOL 110 Deadly Planet

GEOL 300 Sedimentology and Stratigraphy

Physics Core ⁴

ASTR 204 & ASTR 224 Introduction to Astronomy and Astrophysics and Astronomy and Astrophysics Laboratory

PHYS 201	Modern Topics in Physics and Astronomy
PHYS 211 & PHYS 221	General Physics I and General Physics Laboratory I
PHYS 212 & PHYS 222	General Physics II and General Physics Laboratory II
PHYS 115	Descriptive Physics
PHYS 231	Electrical and Electronic Circuits
PHYS 311	Mechanics

Credit Hours Subtotal: 20

Ancillary science areas

Select a minimum of 12 hrs each in three ancillary science areas below, outside the selected core area: 36

Biology Ancillary Area

Select one track below:

Track A:

LIFE 120 & 120L	Fundamentals of Biology I and Fundamentals of Biology I laboratory
LIFE 121 & 121L	Fundamentals of Biology II and Fundamentals of Biology II Laboratory
NRES 220 & NRES 222	Principles of Ecology and Ecology Laboratory
or BIOS 207	Ecology and Evolution

Track B:

LIFE 120 & 120L	Fundamentals of Biology I and Fundamentals of Biology I laboratory
LIFE 121 & 121L	Fundamentals of Biology II and Fundamentals of Biology II Laboratory
PLPT 270 / NRES 270 / PLAS 270	Biological Invaders

Select at least one of the following:

AGRI 115	Biotechnology: Food, Health and Environment
BIOS 115 / ENTO 115	Insect Biology
BIOS 202	Genetics, Molecular and Cellular Biology Laboratory
BIOS 213 & 213L	Human Physiology and Human Physiology Laboratory
BIOS 312	Microbiology
NRES 281 / GEOG 281	Introduction to Water Science

Chemistry Ancillary Area

CHEM 109A & CHEM 109L	General Chemistry I and General Chemistry I Laboratory
CHEM 110A & CHEM 110L	General Chemistry II and General Chemistry II Laboratory
CHEM 251 & CHEM 253	Organic Chemistry I and Organic Chemistry I Laboratory

Earth & Space Science Ancillary Area

Select one track below:

Track A:

ASTR 204	Introduction to Astronomy and Astrophysics
ASTR 224	Astronomy and Astrophysics Laboratory

GEOL 101	Dynamic Earth
METR 100	Weather and Climate

Track B:

ASTR 103	Descriptive Astronomy
GEOL 101	Dynamic Earth
METR 100	Weather and Climate
Select one of the following:	
GEOL 105	Fossils and the History of Life
GEOL 106	Environmental Geology
GEOL 110	Deadly Planet
GEOL 300	Sedimentology and Stratigraphy
NRES 108	Earth's Natural Resource Systems Laboratory
SOIL 153 / PLAS 153	Soil Resources

Physics Ancillary Area

PHYS 115	Descriptive Physics
PHYS 141 & PHYS 142	Physics for Life Sciences I and Physics for Life Sciences II

Credit Hours Subtotal: 36

Professional Education Requirements ⁵

SPED 201	Introduction to Special Education	3
TEAC 397V	Professional Practicum Experience III Secondary Science	3
TEAC 403B	Secondary Student Teaching Seminar	3
TEAC 413M	Teaching Multilingual Learners in Content Areas	3
TEAC 451V	Learning and Teaching Principles and Practices: Secondary Science	3
TEAC 452V	Curriculum Principles and Practices Secondary Science	3
TEAC 497V	Student Teaching Secondary Science	9

Credit Hours Subtotal: 24

Electives (may vary)

Select 5 hours of Electives 5

Credit Hours Subtotal: 5

Total Credit Hours 120

¹ No grade lower than C.

² Must have a minimum of 4 hrs; if a 3 hr is selected, must also select another 3 hr or BIOS 202 (2 hrs).

³ Minimum MATH prerequisites: MATH 106 and MATH 107.

⁴ Minimum MATH prerequisites: MATH 106, MATH 107, MATH 208.

⁵ No grade lower than C+.

⁶ A minimum C grade and combined GPA of 2.5 is required in these courses.

⁷ A maximum of 6 credits may be taken pass/no pass in courses in the option (only 3 credits may be taken pass/no pass from one subject code).

ACE Requirements

All UNL students will be required to complete a minimum of 3 hours of approved coursework in each of the 10 designated Achievement-Centered Education (ACE) student learning outcome areas. These can be viewed at <http://ace.unl.edu>. Students will be provided a list of classes they

can select from to meet each of the 10 ACE Student Learning Outcomes (SLO). There may be required courses within an education option program that will also satisfy ACE requirements. Therefore, it is highly recommended that students contact their advisor prior to registering for ACE classes in order to ensure that each of the class selections are in the best interest of the students' academic program.

Additional Major/option Requirements

Grade Requirements in Education Programs

Requirements for completion of an undergraduate degree in a teacher preparation program include a minimum cumulative grade point average (GPA) of 2.75. Students seeking certification must also have a 2.5 GPA in their option and education courses with no grade lower than C in their pre-professional courses and no grade lower than C+ in their professional education courses.

Transfer Grades

Up to 9 hours of transfer credit with grades below C may be applied to the General Education requirements and elective classes in programs leading to the undergraduate degree in teacher preparation. Transfer grades of C- and D may not be used in the option area courses or in the professional courses in teacher preparation programs.

Pass/No Pass Grade Option—for Education Students

A student enrolled at the University may, in certain instances, take a grading option of Pass/No Pass (P/N) for a specific course. A grade of Pass represents satisfactory completion of a course with a grade of C or better. Credits earned under the Pass grade option count toward graduation, but no grade points are tabulated in the cumulative grade point average. Likewise, a grade of No Pass is not tabulated in the grade point average. The following rules apply to students who are enrolled in teacher preparation programs who choose the Pass/No Pass option:

1. Only one course in each option may be taken P/N; two courses in a field option may be taken P/N.
2. Pre-professional and professional education classes may not be taken P/N unless a class already has a P/N designation.
3. Any course in the general education requirements, unless otherwise stipulated by the department of the course, may be taken P/N.
4. Total P/N credits may not exceed 12 credit hours. This limit does not include courses offered on a P/N only basis.

Students who are admitted through the Admission by Review process with core course deficiencies will have certain conditions attached to their enrollment at Nebraska.

Beyond Classroom Grades

In all fields of study, students are expected to attain certain grades and other academic accomplishments in the classroom. In addition to this, students preparing themselves to be teachers and counselors and for other careers in education are also reviewed to evaluate their ability to successfully and safely interact with children, parents, potential educational employers, and the community-at-large, whose interest in the education of its children often exceeds its concern for other community and governmental services.

EDPS 150 Career Development Seminar

Description: Understanding and applying individual strengths, interests, values and personality type, as they apply to an individual's choosing a college major(s) and career option(s). Active participation in self-assessment activities, exploration of majors/careers, experiential activities, utilization of the decision-making process and conducting occupational research as considered through several career development theories.

Credit Hours: 1-2

Min credits per semester: 1

Max credits per semester: 2

Max credits per degree: 2

Grading Option: Pass No Pass

EDPS 189H Honors: How to Learn and Develop Talent

Prerequisites: Good standing in the University Honors Program or by invitation.

Description: Ideas from cognitive psychology, educational psychology, and various other disciplines (i.e., art, music, and chess) presented to help students understand learning and talent development, improve academic learning skills, and improve personal talents.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

ACE: ACE 6 Social Science

EDPS 209 Strategies for Academic Success

Description: Comprehensive examination of learning theory and practice of learning strategies related to motivation, time management, memory, lecture note taking, text processing, knowledge representation, test review, test taking, and error analysis in academic settings.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

ACE: ACE 6 Social Science

EDPS 250 Fundamentals of Child Development for Education

Description: Fundamental concepts and principles of human development with reference to cognitive and social/emotional development from infancy to early adolescence. Biosocial forces which affect behavior and development in children in relation to educational practice.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Prerequisite for: EDPS 362; EDPS 386; EDPS 457

ACE: ACE 6 Social Science

EDPS 251 Fundamentals of Adolescent Development for Education

Description: Fundamental concepts and principles of human development with reference to cognitive and social/emotional development from late childhood to early adulthood. Biosocial forces which affect behavior and development in adolescents as they relate to educational practice.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Prerequisite for: EDPS 362; EDPS 386; EDPS 457

ACE: ACE 6 Social Science

EDPS 292 Positive Psychology Special Topics

Notes: Three 1-credit, special topics courses are offered each spring semester. Each course is 5 weeks and offered one after another throughout the semester, allowing students to enroll in one, two, or three special topics courses.

Description: Various special topics pertaining to positive psychology such as talent development, motivation, and neuro-psychology.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 3

Grading Option: Pass No Pass

Offered: SPRING

EDPS 297 Professional Practicum Experiences II

Notes: Recommended concurrent enrollment with EDPS 251.

Assignments assume knowledge of content from EDPS 251 or equivalent course.

Description: Guided participation in schools/agencies offering programs for youth. Participating students are provided with introductory experiences working with youth in educational contexts, opportunities for one-on-one instruction and support, and prepared for subsequent advanced practicum experiences. Placements range from after-school academic programs to middle school and high school classrooms.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Grading Option: Graded

Experiential Learning: Student Teaching/Education Practicum

EDPS 320 Happiness and Well-Being through Positive Psychology

Description: Introduction to positive psychology. Learn to identify personal strengths and assets that lead to flourishing as human beings; Explore major topics of positive psychology that lead to happiness and well-being.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

ACE: ACE 6 Social Science

EDPS 330 Statistics and Measurement in Nutrition, Fitness and Health Promotion

Description: Procedures for describing data. Concepts related to selecting psychomotor tests; constructing and evaluating cognitive paper and pencil examinations; utilizing computer technology in delivering, collecting, and evaluating information.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

EDPS 350 Basic Helping Skills

Prerequisites: Sophomore standing or above.

Description: Introduction to developing basic helping skills that can help emerging professionals working in human services. Develop an understanding of communication processes, develop helping skills, and gain an awareness of self in relation to acting as a helper. Learn about theories, techniques, and research regarding effective helping skills and human behavior, develop and refine helping skills in practice with peers, and explore how culture and sociocultural factors play a role in helping others.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

Offered: FALL/SPR

ACE: ACE 6 Social Science

EDPS 362 Learning in the Classroom

Prerequisites: ALEC 135, ALEC 135A, EDPS 250, EDPS 251, CYAF 160, or PSYC 289

Description: Training in theories and research-based practice in learning, motivation, and assessment that supports teaching and learning within diverse elementary educational settings. Topics include human cognition, theories of motivation, classroom management, and classroom-based assessment.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Prerequisite for: TEAC 304

ACE: ACE 6 Social Science

EDPS 386 Children's Mental Health and Mental Illness

Prerequisites: At least one of the following: PSYC 181 OR PSYC 289, OR EDPS 250 OR EDPS 251, OR CYAF 160

Description: An introduction to children's mental health as a framework for understanding both psychological disorders and well-being across childhood and adolescence. Gain a broad understanding of developmental psychopathology and positive psychological development of children and the skills to critically evaluate popular notions of psychopathology and positive psychology, as well as how to frame these notions within the context developmental research.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

Offered: FALL

ACE: ACE 6 Social Science

EDPS 397 Professional Practicum Experience III

Crosslisted with: TEAC 397

Prerequisites: Admission to Teacher Education Program.

Description: Guided observations and/or clinical experiences in schools and/or agencies offering programs for children and/or youth.

Credit Hours: 1-10

Min credits per semester: 1

Max credits per semester: 10

Max credits per degree: 10

Grading Option: Graded with Option

Experiential Learning: Student Teaching/Education Practicum

EDPS 397D Professional Practicum Experience III: Unified Primary K-3**Crosslisted with:** TEAC 397D**Prerequisites:** Admission to Teacher Education Program.**Description:** Guided observations and/or clinical experiences in schools and/or agencies offering programs for children and/or youth.**Credit Hours:** 1-10**Min credits per semester:** 1**Max credits per semester:** 10**Max credits per degree:** 10**Grading Option:** Graded with Option**Prerequisite for:** TEAC 416A; TEAC 416B**Experiential Learning:** Student Teaching/Education Practicum**EDPS 450 Child Psychology****Crosslisted with:** EDPS 850**Description:** Advanced study of the behavior and development of preschool and elementary school children.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**Prerequisite for:** EDPS 961; EDPS 962; EDPS 963; EDPS 967**EDPS 451 Psychology of Adolescence****Crosslisted with:** EDPS 851**Notes:** Prior coursework in psychology or a related field is recommended.**Description:** Mental, social, and emotional development of boys and girls during the adolescent period.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**Prerequisite for:** EDPS 961; EDPS 962; EDPS 963; EDPS 967**EDPS 454 Human Cognition and Instruction****Crosslisted with:** EDPS 854**Description:** Cognitive psychology and its applications in instruction. Memory, problem solving, cognitive process in reading, research approaches, and applications to teaching.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**Prerequisite for:** EDPS 960; EDPS 967**EDPS 457 Learning and Motivation Principles for Secondary Teaching****Prerequisites:** ALEC 135, ALEC 135A, EDPS 250, EDPS 251, CYAF 160, PSYC 289 or instructor permission**Description:** This course will provide secondary education majors with training in theories and research-based practice in learning, motivation, and assessment that supports teaching and learning within diverse secondary educational settings. Topics include human cognition, theories of motivation, classroom management, and classroom-based assessment generally and as applied to specific secondary education content areas.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**ACE:** ACE 6 Social Science**EDPS 459 Statistical Methods****Crosslisted with:** EDPS 859**Prerequisites:** Credit towards the degree may be earned in only one of CRIM 300 or ECON 215 or ECON 215H or EDPS 459 or STAT 218**Description:** Computation and interpretation of measures of central position, variability, and correlation; introduction to sampling, probability, and tests of significance.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**Prerequisite for:** ACCT 308; BLAW 371H; ECON 311A; ECON 311B; ECON 312A; ECON 312B; ECON 315; ECON 417; ECON 448; ECON 452; EDAD 892, EDPS 892, EDUC 892, SPED 892, TEAC 892, CYAF 892; EDPS 470, EDPS 870; EDPS 860; EDPS 936; EDPS 941; EDPS 942; EDPS 969; FINA 361; FINA 361A; FINA 361H; MNGT 430; MRKT 350; MUED 980; NUTR 486, NUTR 886; SCMA 331; SCMA 350; SCMA 350H; SOCI 333; TEAC 924**ACE:** ACE 3 Math/Stat/Reasoning**EDPS 463 Introduction to Applied Behavior Analysis****Crosslisted with:** EDPS 863**Description:** Research methods and findings, concepts, and principles of operant conditioning as related to the experimental analysis of human behavioral events and to the development of behavior engineering technologies.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**EDPS 465 PRACT CNSLNG&PRSNL****Credit Hours:** 1-8**Min credits per semester:** 1**Max credits per semester:** 8**Max credits per degree:** 8**Grading Option:** Graded with Option**EDPS 465B Special Practices for Handicapped Children and Youth****Description:** Basic practices and related research in counseling and helping practices in educational or other youth-serving agencies.**Credit Hours:** 1**Max credits per semester:** 1**Max credits per degree:** 1**Grading Option:** Graded with Option**EDPS 465D Special Practices for Exceptionally Talented and Gifted****Description:** Basic practices and related research in counseling and helping practices in educational or other youth-serving agencies.**Credit Hours:** 1**Max credits per semester:** 1**Max credits per degree:** 1**Grading Option:** Graded with Option**EDPS 465E Special Practices in the Elementary School****Description:** Basic practices and related research in counseling and helping practices in educational or other youth-serving agencies.**Credit Hours:** 1**Max credits per semester:** 1**Max credits per degree:** 1**Grading Option:** Graded with Option

EDPS 465K Special Practices for Vocational Education/Development Programs

Description: Basic practices and related research in counseling and helping practices in educational or other youth-serving agencies.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Grading Option: Graded with Option

EDPS 465L Special Practices for Community Helpers Working with Adults

Description: Basic practices and related research in counseling and helping practices in educational or other youth-serving agencies.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Grading Option: Graded with Option

EDPS 470 Introduction to Educational and Psychological Measurement

Crosslisted with: EDPS 870

Prerequisites: EDPS 459/859

Description: Introduction to the construction, evaluation, and ethical use of measurement instruments commonly used in education and psychology. Test construction principles, item analysis, reliability, validity, ethical issues in testing, and evaluation of standardized tests.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Prerequisite for: EDPS 970

EDPS 471 Human Sexuality and Society

Crosslisted with: CYAF 471, PSYC 471, SOCI 471, CYAF 871, EDPS 871, PSYC 871, SOCI 871

Prerequisites: Junior or Senior standing

Notes: Open to advanced students planning careers in the professions in which knowledge of human behavior and society is important (e.g., helping professions, medicine, law, ministry, education, etc.).

Description: Interdisciplinary approach to the study of human sexuality in terms of the psychological, social, cultural, anthropological, legal, historical, and physical characteristics of individual sexuality and sex in society.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

EDPS 472 The Psychology of Professional Development and Expertise

Description: Learn evidence-based principles and practices for developing, maintaining, and expanding professional expertise. Topics will include deliberate practice, performance feedback, the pursuit of "range," the need for strategic problem-solving skills in a complex and hyper-specialized technical world, the factors affecting professional judgment and decision-making, how social context affects productivity and success, and experts in relation to the public's expectations.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

EDPS 478 Pro-seminar in Latin American Studies

Crosslisted with: HIST 478, POLS 478, MODL 478, HIST 878, POLS 878, MODL 878, EDPS 878, ETHN 478

Prerequisites: Junior standing

Description: An interdisciplinary analysis of topical issues in Latin American Studies.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

EDPS 496 Directed Field Experience

Crosslisted with: EDPS 896

Prerequisites: Permission of instructor.

Description: Complete education-based experiences in research or applied settings under faculty supervision.

Credit Hours: 1-24

Min credits per semester: 1

Max credits per semester: 24

Max credits per degree: 24

Grading Option: Graded with Option

EDPS 497 Readings in Educational Psychology and Measurements

Prerequisites: Permission.

Credit Hours: 1-6

Min credits per semester: 1

Max credits per semester: 6

Max credits per degree: 6

Grading Option: Graded with Option

EDPS 498 Special Topics

Crosslisted with: EDPS 898

Prerequisites: Permission of instructor.

Description: Seminar on current issues or topics in educational psychology. Topics vary.

Credit Hours: 1-6

Min credits per semester: 1

Max credits per semester: 6

Max credits per degree: 6

Grading Option: Pass No Pass

EDPS 499H Honors Thesis

Prerequisites: Good standing in the University Honors Program or by invitation.

Description: Conduct a scholarly research project and write a University Honors Program or undergraduate thesis.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

TEAC 161 Teaching Matters

Prerequisites: Restricted to secondary teacher education majors

Description: Designed to introduce critical issues, responsibilities, roles, and identities to secondary education majors through school site visits, lectures, and inquiry into what it means to be a secondary school teacher.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

TEAC 197 Professional Practicum Experiences

Description: Guided participation in schools and/or selected agencies offering programs for children/youth.

Credit Hours: 1-4

Min credits per semester: 1

Max credits per semester: 4

Max credits per degree: 4

Grading Option: Graded with Option

Prerequisite for: TEAC 304

Experiential Learning: Student Teaching/Education Practicum

TEAC 210 Introduction to Industrial Education

Description: Certification, employment potential, terminology, publications, resources, and introduction to the trends, philosophies, methods, and approaches to contemporary industrial education programs.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 213 Education and Migration

Crosslisted with: ANTH 213

Notes: A required, introductory, pre-professional course for teaching endorsement in English as a Second Language.

Description: Introduction to research in education about migratory, displaced, immigrant, and refugee populations in the United States and elsewhere in the world; Examination of the intersection of migration, education, family, youth cultures, language use, pedagogy, literacies, policy, and transnationalism as key concepts for the 'glocal' activities in which human beings participate in everyday life.

Credit Hours: 3-4

Min credits per semester: 3

Max credits per semester: 4

Max credits per degree: 4

Grading Option: Graded with Option

TEAC 229 Career and Technical Education: Applications Software

Description: Development of strategies for using various application software packages in Career and Technical Education classrooms.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 259 Instructional Technology

Description: Development of understanding related to theories and applications of technology use in K12 classrooms and Speech Language Pathology settings. Guided learning experiences, professional learning networks, human centered design, learning theory, web and mobile applications, portfolios, and education technology at the intersection of race, gender, and class.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

ACE: ACE 2 Communication Competence

TEAC 259A Instructional Technology in Elementary Schools

Prerequisites: Admission to Elementary Teacher Education Program

Notes: Recommended parallel with TEAC 297B, TEAC 308, and MATH 300.

Description: Development of strategies for using technology to support K-12 classroom instruction. Internet resources, applications software, and authoring programs.

Credit Hours: 2

Max credits per semester: 2

Max credits per degree: 2

Grading Option: Graded

Course and Laboratory Fee: \$5

Experiential Learning: Student Teaching/Education Practicum

TEAC 259B Practicum in Instructional Technology

Prerequisites: Acceptance into the Teacher Elementary Education Program.

Notes: Recommended parallel with TEAC 397A.

Description: Practicum in Instructional Technology is a course aimed at supporting pre-service teachers in their efforts to integrate computers, mobile devices, multimedia, and other technological tools to enhance the teaching and learning process.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Grading Option: Graded

Experiential Learning: Student Teaching/Education Practicum

TEAC 297 Professional Practicum Experiences II

Notes: An accompanying seminar is included where the professional role of the teacher is discussed.

Description: Guided participation/observation in schools/agencies offering programs for children/youth. An accompanying seminar is included where the professional role of the teacher is discussed.

Credit Hours: 1-4

Min credits per semester: 1

Max credits per semester: 4

Max credits per degree: 12

Grading Option: Graded

Experiential Learning: Student Teaching/Education Practicum

TEAC 297A Professional Practicum Experiences II Elementary

Notes: Parallel EDPS 250

Description: Guided participation/observation in schools/agencies offering programs for children/youth.

Credit Hours: 1-4

Min credits per semester: 1

Max credits per semester: 4

Max credits per degree: 4

Grading Option: Pass No Pass

Experiential Learning: Student Teaching/Education Practicum

TEAC 297B Professional Practicum Experiences II Elementary

Notes: An accompanying seminar is included where the professional role of the teacher is discussed.

Description: Guided participation/observation in schools/agencies offering programs for children/youth.

Credit Hours: 1-4

Min credits per semester: 1

Max credits per semester: 4

Max credits per degree: 4

Grading Option: Graded

Prerequisite for: TEAC 297E; TEAC 307; TEAC 311; TEAC 313

Experiential Learning: Student Teaching/Education Practicum

TEAC 297E Practicum in Teaching English Language Learners in Elementary Schools

Prerequisites: Acceptance to the Elementary Education Program. Parallel with TEAC 297B, 308, 317, and MATH 300.

Notes: This practicum accompanies TEAC 317 Teaching Multilingual Learners in Elementary School. Students will be required to observe at a school in Omaha for 3 consecutive Fridays during the semester. The exact dates will be determined once placements are completed and within the first three weeks of a semester.

Description: Observation and participation in classrooms that enroll multilingual English language learners. Classrooms may be dual language general education classrooms and/or self-contained English Language Learner (ELL) classrooms.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Grading Option: Pass No Pass

Offered: FALL/SPR

Experiential Learning: Student Teaching/Education Practicum

TEAC 297I Professional Practicum Experiences II Secondary Art

Notes: An accompanying seminar is included where the professional role of the teacher is discussed.

Description: Guided participation/observation in schools/agencies offering programs for children/youth.

Credit Hours: 1-4

Min credits per semester: 1

Max credits per semester: 4

Max credits per degree: 4

Grading Option: Graded

Experiential Learning: Student Teaching/Education Practicum

TEAC 297J Professional Practicum Experiences II Secondary Business Education

Notes: An accompanying seminar is included where the professional role of the teacher is discussed.

Description: Guided participation/observation in schools/agencies offering programs for children/youth.

Credit Hours: 1-4

Min credits per semester: 1

Max credits per semester: 4

Max credits per degree: 4

Grading Option: Graded

Experiential Learning: Student Teaching/Education Practicum

TEAC 297M Professional Practicum Experiences II Secondary Industrial Education

Notes: An accompanying seminar is included where the professional role of the teacher is discussed.

Description: Guided participation/observation in schools/agencies offering programs for children/youth.

Credit Hours: 1-4

Min credits per semester: 1

Max credits per semester: 4

Max credits per degree: 4

Grading Option: Graded

Experiential Learning: Student Teaching/Education Practicum

TEAC 297N Professional Practicum Experiences II Secondary Language Arts

Notes: An accompanying seminar is included where the professional role of the teacher is discussed.

Description: Guided participation/observation in schools/agencies offering programs for children/youth.

Credit Hours: 1-4

Min credits per semester: 1

Max credits per semester: 4

Max credits per degree: 4

Grading Option: Graded

Experiential Learning: Student Teaching/Education Practicum

TEAC 297O Professional Practicum Experiences II Secondary Marketing Education

Notes: An accompanying seminar is included where the professional role of the teacher is discussed.

Description: Guided participation/observation in schools/agencies offering programs for children/youth.

Credit Hours: 1-4

Min credits per semester: 1

Max credits per semester: 4

Max credits per degree: 4

Grading Option: Graded

Experiential Learning: Student Teaching/Education Practicum

TEAC 297P Professional Practicum Experiences II Secondary Mathematics

Notes: An accompanying seminar is included where the professional role of the teacher is discussed.

Description: Guided participation/observation in schools/agencies offering programs for children/youth.

Credit Hours: 1-4

Min credits per semester: 1

Max credits per semester: 4

Max credits per degree: 4

Grading Option: Graded

Experiential Learning: Student Teaching/Education Practicum

TEAC 297R Professional Practicum Experiences II Secondary Modern Languages

Notes: An accompanying seminar is included where the professional role of the teacher is discussed.

Description: Guided participation/observation in schools/agencies offering programs for children/youth.

Credit Hours: 1-4

Min credits per semester: 1

Max credits per semester: 4

Max credits per degree: 4

Grading Option: Graded

Experiential Learning: Student Teaching/Education Practicum

TEAC 297V Professional Practicum Experiences II Secondary Science

Notes: An accompanying seminar is included where the professional role of the teacher is discussed.

Description: Guided participation/observation in schools/agencies offering programs for children/youth.

Credit Hours: 1-4

Min credits per semester: 1

Max credits per semester: 4

Max credits per degree: 4

Grading Option: Graded

Experiential Learning: Student Teaching/Education Practicum

TEAC 297W Professional Practicum Experiences II Secondary Social Science

Notes: An accompanying seminar is included where the professional role of the teacher is discussed.

Description: Guided participation/observation in schools/agencies offering programs for children/youth.

Credit Hours: 1-4

Min credits per semester: 1

Max credits per semester: 4

Max credits per degree: 4

Grading Option: Graded

Experiential Learning: Student Teaching/Education Practicum

TEAC 302 Children's Literature

Prerequisites: Admission to the Elementary Teacher Education Program or the Inclusive Education Program.

Description: Reading in the broad field of children's literature. Survey of various genres; kinds of books; authors, poets, illustrators; historical development; contemporary topics and trends. Principles and practices in selection and adaptation of literature to the needs of the child.

Presentation and instructional methodology.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 304 Nursery and Pre-kindergarten Education

Prerequisites: EDPS 362, TEAC 197 (1 cr) or permission.

Description: Curriculum materials and equipment; analysis of physical, mental, and emotional development. Records and participation with young children. Parent-teacher relationships.

Credit Hours: 2-3

Min credits per semester: 2

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 305 The Arts in the Elementary School Curriculum

Prerequisites: Admission to the Elementary Teacher Education Program or the Inclusive Education Program

Description: Exploration and experiences with the arts. Supporting ways to include and promote the arts within the curriculum of the elementary school.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Course and Laboratory Fee: \$25

TEAC 306 Teaching Art in the Elementary School

Prerequisites: Admission to Elementary Teacher Education Program.

Description: The guidance of art through the elementary school in accordance with the growth and development of the child. Objectives, materials, and methods for meaningful teaching of art.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Prerequisite for: TEAC 406

Course and Laboratory Fee: \$25

TEAC 307 Teaching Social Studies in the Elementary School

Prerequisites: Admission to the Elementary Teacher Education Program; 6 hrs social sciences; TEAC 297B

Description: The role, content, materials, and trends of social studies in childhood education; selection and use of learning experiences; development of lesson plans and/or teaching unit.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 308 Teaching Mathematics in the Elementary School

Prerequisites: Admission to the Elementary Teacher Education Program; Parallel MATH 300 and TEAC 297B

Description: Scope, content, and organization of the mathematics curriculum; development, use, and sources of instructional materials; teaching procedures.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Prerequisite for: MATH 300; TEAC 297E

TEAC 311 Teaching Reading in the Elementary School

Prerequisites: Admission to the Elementary Teacher Education Program; TEAC 297B; Parallel TEAC 397A

Description: Objectives, scope, content, and organization of the reading curriculum; methods of effective teaching; development, use, and sources of instructional materials.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 313 Teaching Language Arts in the Elementary School

Prerequisites: Admission to the Elementary Teacher Education Program; TEAC 297B; Parallel TEAC 397A

Description: Theory and practice of teaching the language arts in the elementary school. Selection, construction, and use of instructional materials for and with elementary children.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 315 Teaching Science in the Elementary School

Prerequisites: Admission to the Elementary Teacher Education Program; two courses in science; TEAC 297B

Description: Role, trends, content, and materials of science in childhood education. Development of science experiences for use with children.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Course and Laboratory Fee: \$15

TEAC 317 Teaching Multilingual Learners in Elementary School

Prerequisites: Admission to a Teacher Education Program

Notes: Letter grade only

Description: Pedagogical, linguistic, and cultural issues in the education of multilingual learners in elementary school classrooms.

Credit Hours: 2

Max credits per semester: 2

Max credits per degree: 2

Grading Option: Graded

Prerequisite for: TEAC 297E

TEAC 323 Career and Technical Education: Multimedia Applications

Description: Integrating instructional multi-media applications into Career and Technical Education courses.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 330 Multicultural Education

Crosslisted with: ETHN 330

Prerequisites: Sophomore standing.

Description: Introduction to the historical, sociological, and philosophical foundations of multicultural education. Examines the increasing cultural diversity of the United States and introduces multicultural education as a concept. Explores awareness and attitudes toward diversity, cultural knowledge, multicultural instructional practices, and curricular resources along with diversity issues impacting PK-12 schooling. Models and reinforces effective teaching and learning strategies while developing reflective teachers for diverse populations.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

ACE: ACE 9 Global/Diversity

Experiential Learning: Case/Project-Based Learning

TEAC 331 School and Society

Prerequisites: Sophomore standing.

Description: Considers educational purposes and relationships between school and society. Utilizes disciplinary resources to develop interpretive, normative, and critical perspectives on education within and beyond schools.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Prerequisite for: MUED 282

ACE: ACE 8 Civic/Ethics/Stewardship

Experiential Learning: Case/Project-Based Learning

TEAC 351 The Learner Centered Classroom

Notes: Recommended parallel with TEAC 297A.

Description: Organizing the learning environment in a culturally and socially responsive classroom. Theory and practice of creating a cooperative community that fosters both social and academic development. Theoretical perspectives are linked to actual classroom experience.

Credit Hours: 2

Max credits per semester: 2

Max credits per degree: 2

Grading Option: Graded with Option

TEAC 380 Health and Wellness the Elementary Classroom

Description: The integration of elementary subjects through movement activities and the understanding of healthy concepts. Social skills, health, and mental revitalization for improved academic performance.

Credit Hours: 2

Max credits per semester: 2

Max credits per degree: 2

Grading Option: Graded

Experiential Learning: Student Teaching/Education Practicum

TEAC 397 Professional Practicum Experience III

Crosslisted with: EDPS 397

Prerequisites: Admission to Teacher Education Program.

Description: Guided observations and/or clinical experiences in schools and/or agencies offering programs for children and/or youth.

Credit Hours: 1-10

Min credits per semester: 1

Max credits per semester: 10

Max credits per degree: 10

Grading Option: Graded with Option

Experiential Learning: Student Teaching/Education Practicum

TEAC 397A Professional Practicum Experience III Elementary

Prerequisites: Admission to Teacher Education Program.

Description: Guided observations and/or clinical experiences in schools and/or agencies offering programs for children and/or youth.

Credit Hours: 1-10

Min credits per semester: 1

Max credits per semester: 10

Max credits per degree: 10

Grading Option: Graded with Option

Experiential Learning: Student Teaching/Education Practicum

TEAC 397D Professional Practicum Experience III: Unified Primary K-3

Crosslisted with: EDPS 397D

Prerequisites: Admission to Teacher Education Program.

Description: Guided observations and/or clinical experiences in schools and/or agencies offering programs for children and/or youth.

Credit Hours: 1-10

Min credits per semester: 1

Max credits per semester: 10

Max credits per degree: 10

Grading Option: Graded with Option

Prerequisite for: TEAC 416A; TEAC 416B

Experiential Learning: Student Teaching/Education Practicum

TEAC 397J Professional Practicum Experience III Secondary Business Education

Prerequisites: Admission to Teacher Education Program.

Description: Guided observations and/or clinical experiences in schools and/or agencies offering programs for children and/or youth.

Credit Hours: 1-10

Min credits per semester: 1

Max credits per semester: 10

Max credits per degree: 10

Grading Option: Graded with Option

Experiential Learning: Student Teaching/Education Practicum

TEAC 397L Professional Practicum Experience III Information Technology**Prerequisites:** Admission to Teacher Education Program.**Description:** Guided observations and/or clinical experiences in schools and/or agencies offering programs for children and/or youth.**Credit Hours:** 1-10**Min credits per semester:** 1**Max credits per semester:** 10**Max credits per degree:** 10**Grading Option:** Graded with Option**Experiential Learning:** Student Teaching/Education Practicum**TEAC 397M Professional Practicum Experience III Secondary Industrial Education****Prerequisites:** Admission to Teacher Education Program.**Description:** Guided observations and/or clinical experiences in schools and/or agencies offering programs for children and/or youth.**Credit Hours:** 1-10**Min credits per semester:** 1**Max credits per semester:** 10**Max credits per degree:** 10**Grading Option:** Graded with Option**Experiential Learning:** Student Teaching/Education Practicum**TEAC 397N Professional Practicum Experience III Secondary Language Arts****Prerequisites:** Admission to Teacher Education Program.**Description:** Guided observations and/or clinical experiences in schools and/or agencies offering programs for children and/or youth.**Credit Hours:** 1-10**Min credits per semester:** 1**Max credits per semester:** 10**Max credits per degree:** 10**Grading Option:** Graded with Option**Experiential Learning:** Student Teaching/Education Practicum**TEAC 397O Professional Practicum Experience III Secondary Marketing Education****Prerequisites:** Admission to Teacher Education Program.**Description:** Guided observations and/or clinical experiences in schools and/or agencies offering programs for children and/or youth.**Credit Hours:** 1-10**Min credits per semester:** 1**Max credits per semester:** 10**Max credits per degree:** 10**Grading Option:** Graded with Option**Experiential Learning:** Student Teaching/Education Practicum**TEAC 397P Professional Practicum Experience III Secondary Mathematics****Prerequisites:** Admission to Teacher Education Program.**Description:** Guided observations and/or clinical experiences in schools and/or agencies offering programs for children and/or youth.**Credit Hours:** 1-10**Min credits per semester:** 1**Max credits per semester:** 10**Max credits per degree:** 10**Grading Option:** Graded with Option**Experiential Learning:** Student Teaching/Education Practicum**TEAC 397R Professional Practicum Experience III Secondary Modern Languages****Prerequisites:** Admission to Teacher Education Program.**Description:** Guided observations and/or clinical experiences in schools and/or agencies offering programs for children and/or youth.**Credit Hours:** 1-10**Min credits per semester:** 1**Max credits per semester:** 10**Max credits per degree:** 10**Grading Option:** Graded with Option**Experiential Learning:** Student Teaching/Education Practicum**TEAC 397V Professional Practicum Experience III Secondary Science****Prerequisites:** Admission to Teacher Education Program.**Description:** Guided observations and/or clinical experiences in schools and/or agencies offering programs for children and/or youth.**Credit Hours:** 1-10**Min credits per semester:** 1**Max credits per semester:** 10**Max credits per degree:** 10**Grading Option:** Graded with Option**Experiential Learning:** Student Teaching/Education Practicum**TEAC 397W Professional Practicum Experience III Secondary Social Science****Prerequisites:** Admission to Teacher Education Program.**Description:** Guided observations and/or clinical experiences in schools and/or agencies offering programs for children and/or youth.**Credit Hours:** 1-10**Min credits per semester:** 1**Max credits per semester:** 10**Max credits per degree:** 10**Grading Option:** Graded with Option**Experiential Learning:** Student Teaching/Education Practicum**TEAC 399 Independent Study****Prerequisites:** Prior arrangement with and permission of individual faculty member.**Description:** Special research project or reading program under the direction of a staff member in the department.**Credit Hours:** 1-3**Min credits per semester:** 1**Max credits per semester:** 3**Max credits per degree:** 6**Grading Option:** Graded with Option**TEAC 402 Contemporary Children's Literature: Principles and Practices****Crosslisted with:** TEAC 802**Prerequisites:** TEAC 302 and successful completion of student teaching or permission.**Description:** Contemporary literature for children, all forms and genres; development of meaningful and creative learning activities for children; professional readings and research related to children's literature.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option

TEAC 403 Student Teaching Seminar

Prerequisites: Parallel TEAC 497A (student teaching).

Description: Analysis of the school programs. Education and curriculum, teacher certification, teach and student rights and responsibilities, proper conduct of teachers, selected legal aspects of education, method of communicating with parents and community members, and current issues which impact education.

Credit Hours: 1-3

Min credits per semester: 1

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Experiential Learning: Student Teaching/Education Practicum

TEAC 403A Student Teaching Capstone Seminar

Prerequisites: Parallel TEAC 497A

Notes: Three seminars required per semester. Capstone seminar for the elementary education program. The capstone course will accompany the student teaching experience. This reflective study will be presented to peers and faculty in a conference format at the last seminar meeting. This conference format is intended to serve as a step in the transition from student to professional.

Description: Examine and reflect on a theme with evidence from pre-service development and examine this topic through the entire length of coursework and field experiences.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

ACE: ACE 10 Integrated Product

Experiential Learning: Student Teaching/Education Practicum

TEAC 403B Secondary Student Teaching Seminar

Prerequisites: Must be admitted approved to student teach (enroll in TEAC 497)

Notes: Course numbers and call numbers can be obtained from the appropriate subject matter adviser in the College Student Services Center.

Description: The capstone course will consist of seminar sessions requiring broad knowledge of teaching by addressing salient issues that complement the pre-service teaching experience, discussions, major writing assignments, and a scholarly presentation. Examine and reflect on the themes outlined in the TLTE 14 Dimensions of Teaching. Reflect on evidence from the whole pre-service development and examine it through the entire length of coursework and field experiences.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

ACE: ACE 10 Integrated Product

Experiential Learning: Student Teaching/Education Practicum

TEAC 403I Student Teaching Seminar : Art K-12

Description: Analysis of the school programs. Education and curriculum, teacher certification, teach and student rights and responsibilities, proper conduct of teachers, selected legal aspects of education, method of communicating with parents and community members, and current issues which impact education.

Credit Hours: 1-3

Min credits per semester: 1

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Experiential Learning: Student Teaching/Education Practicum

TEAC 403N Student Teaching Seminar: Secondary Language Arts

Prerequisites: Must also enroll in TEAC 497N

Description: Analysis of the school programs. Education and curriculum, teacher certification, teach and student rights and responsibilities, proper conduct of teachers, selected legal aspects of education, method of communicating with parents and community members, and current issues which impact education.

Credit Hours: 1-3

Min credits per semester: 1

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Experiential Learning: Student Teaching/Education Practicum

TEAC 403P Student Teaching Seminar: Secondary Math

Prerequisites: Must also enroll in TEAC 497P

Description: Analysis of the school programs. Education and curriculum, teacher certification, teach and student rights and responsibilities, proper conduct of teachers, selected legal aspects of education, method of communicating with parents and community members, and current issues which impact education.

Credit Hours: 1-3

Min credits per semester: 1

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Experiential Learning: Student Teaching/Education Practicum

TEAC 403Q Student Teaching Seminar: Middle School

Description: Analysis of the school programs. Education and curriculum, teacher certification, teach and student rights and responsibilities, proper conduct of teachers, selected legal aspects of education, method of communicating with parents and community members, and current issues which impact education.

Credit Hours: 1-3

Min credits per semester: 1

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 403R Student Teaching Seminar: Secondary Modern Language

Prerequisites: Must also enroll in TEAC 497R

Description: Analysis of the school programs. Education and curriculum, teacher certification, teach and student rights and responsibilities, proper conduct of teachers, selected legal aspects of education, method of communicating with parents and community members, and current issues which impact education.

Credit Hours: 1-3

Min credits per semester: 1

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Experiential Learning: Student Teaching/Education Practicum

TEAC 403V Student Teaching Seminar: Secondary Science**Prerequisites:** Must also enroll in TEAC 497V**Description:** Analysis of the school programs. Education and curriculum, teacher certification, teach and student rights and responsibilities, proper conduct of teachers, selected legal aspects of education, method of communicating with parents and community members, and current issues which impact education.**Credit Hours:** 1-3**Min credits per semester:** 1**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**Experiential Learning:** Student Teaching/Education Practicum**TEAC 403W Student Teaching Seminar: Secondary Social Science****Prerequisites:** Must also enroll in TEAC 497V**Description:** Analysis of the school programs. Education and curriculum, teacher certification, teach and student rights and responsibilities, proper conduct of teachers, selected legal aspects of education, method of communicating with parents and community members, and current issues which impact education.**Credit Hours:** 1-3**Min credits per semester:** 1**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**Experiential Learning:** Student Teaching/Education Practicum**TEAC 406 Improvement of Instruction in Elementary School Art****Prerequisites:** 12 hrs education including TEAC 306 or equivalent; teaching experience or student teaching.**Description:** Techniques, plans, and procedures for improving instruction in elementary school art. Current practices, issues, and trends; evaluation of instructional materials.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**TEAC 408A Improvement of Instruction in School Mathematics Primary: K-3****Crosslisted with:** TEAC 808A**Description:** Techniques, plans, and procedures for improving instruction in mathematics. Analysis of current instructional and supervisory practices. Evaluation of research and instructional materials.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**TEAC 408B Improvement of Instruction in School Mathematics Elementary: 4-6****Crosslisted with:** TEAC 808B**Description:** Techniques, plans, and procedures for improving instruction in mathematics. Analysis of current instructional and supervisory practices. Evaluation of research and instructional materials.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**TEAC 408J Improvement of Instruction in School Mathematics Special Topics****Crosslisted with:** TEAC 808J**Description:** Techniques, plans, and procedures for improving instruction in mathematics. Analysis of current instructional and supervisory practices. Evaluation of research and instructional materials.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**TEAC 410 Educational Program for Kindergarten Children****Crosslisted with:** TEAC 810**Description:** Recent developments in education of children and their bearing on the selection and guidance of appropriate activities and materials for the kindergarten. Related functions of home, school, and other educational agencies.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**TEAC 411 Reading Processes and Practices****Crosslisted with:** TEAC 811**Description:** Overview of reading processes and programs with attention to strategies for comprehension and word identification, approaches, and materials. A. Teaching Reading B. Special Topics in Reading C. Response to Intervention - Reading**Credit Hours:** 1-6**Min credits per semester:** 1**Max credits per semester:** 6**Max credits per degree:** 6**Grading Option:** Graded with Option**TEAC 411A Teaching Reading****Crosslisted with:** TEAC 811A**Description:** Overview of reading processes and programs with attention to strategies for comprehension and word identification, approaches, and materials.**Credit Hours:** 1-6**Min credits per semester:** 1**Max credits per semester:** 6**Max credits per degree:** 6**Grading Option:** Graded with Option**TEAC 411B Special Topics in Reading****Crosslisted with:** TEAC 811B**Description:** Overview of reading processes and programs with attention to strategies for comprehension and word identification, approaches, and materials.**Credit Hours:** 1-6**Min credits per semester:** 1**Max credits per semester:** 6**Max credits per degree:** 6**Grading Option:** Graded with Option

TEAC 411C Response to Intervention - Reading

Crosslisted with: TEAC 811C

Description: Overview of reading processes and programs with attention to strategies for comprehension and word identification, approaches, and materials.

Credit Hours: 1-6

Min credits per semester: 1

Max credits per semester: 6

Max credits per degree: 6

Grading Option: Graded with Option

TEAC 412 Improvement of Instruction in Elementary School Science

Crosslisted with: TEAC 812

Prerequisites: 12 hrs education including TEAC 315 or permission; teaching experience or student teaching

Description: Techniques, plans, and procedures for improving instruction in elementary school science. Current practices, issues, and trends; evaluation of instructional materials.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 413 Studies in Teaching English as a Second Language

Crosslisted with: TEAC 813

Description: Preparation for teaching K-12 learners whose language of nurture is not English.

Credit Hours: 1-15

Min credits per semester: 1

Max credits per semester: 15

Max credits per degree: 15

Grading Option: Graded with Option

TEAC 413A Second Language Acquisition

Crosslisted with: TEAC 813A

Description: Theoretical exploration of how second / additional languages are learned.

Credit Hours: 1-3

Min credits per semester: 1

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 413B ESL: Teaching and Curriculum

Crosslisted with: TEAC 813B

Description: Preparation for teaching K-12 learners whose language of nurture is not English

Credit Hours: 1-3

Min credits per semester: 1

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 413D World Languages Assessment

Crosslisted with: TEAC 813D

Description: Preparation for teaching K-12 learners whose language of nurture is not English

Credit Hours: 1-3

Min credits per semester: 1

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

TEAC 413E Special Topics in TESOL

Crosslisted with: TEAC 813E

Description: Individual or group study of specific and timely topics in the teaching of English to speakers of other languages (TESOL)

Credit Hours: 1-6

Min credits per semester: 1

Max credits per semester: 6

Max credits per degree: 6

Grading Option: Graded with Option

TEAC 413K Linguistics for Language Teachers

Crosslisted with: TEAC 813K

Description: An introduction to basic concepts in linguistics such as phonetics, phonology, morphology, syntax, semantics, neurolinguistics, discourse analysis and language variation. Designed for teachers (or future teachers) of English as an additional language, but also for world language teachers, classroom activities feature identifying theoretical underpinnings of practical language issues and connect them to questions language learners will have.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 413M Teaching Multilingual Learners in Content Areas

Crosslisted with: TEAC 813M

Notes: Required for English Language Learner (ELL) certification.

Description: Theory and pedagogy in the teaching of multilingual learners at all levels of K-12 education. Identify and design linguistically and culturally responsive instruction for multilingual learners in the content areas (e.g. language arts, science, mathematics, social sciences)

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 413P Teaching English as an International Language

Crosslisted with: TEAC 813P

Description: Methodologies for teaching English to speakers of other languages (TESOL) in domestic and international settings.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

TEAC 416 Inclusive Early Childhood Methods

Crosslisted with: TEAC 816

Prerequisites: Admission to the Inclusive Early Childhood Teacher Education Program; CYAF 374 and CYAF 374L.

Description: The creation and practice of developmentally appropriate instruction in curricular areas for K to 3rd grades. Role of the teacher and/or facilitator in relationship to the primary curriculum and learning environment.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 9

Grading Option: Graded with Option

Experiential Learning: Student Teaching/Education Practicum

TEAC 416A Literacy Methods for the Primary Student: K to 3rd**Prerequisites:** Parallel TEAC 397D.**Description:** The creation and practice of developmentally appropriate instruction in curricular areas for K to 3rd grades. Role of the teacher and/or facilitator in relationship to the primary curriculum and learning environment.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**Experiential Learning:** Student Teaching/Education Practicum**TEAC 416B Social Studies and Science Methods for the Primary Student: K to 3rd****Prerequisites:** Parallel TEAC 397D.**Description:** The creation and practice of developmentally appropriate instruction in curricular areas for K to 3rd grades. Role of the teacher and/or facilitator in relationship to the primary curriculum and learning environment.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**Experiential Learning:** Student Teaching/Education Practicum**TEAC 416D Inclusive Early Childhood Mathematics Methods for the Primary Student: K to 3rd****Prerequisites:** Parallel TEAC 397D.**Description:** The creation and practice of developmentally appropriate instruction in curricular areas for K to 3rd grades. Role of the teacher and/or facilitator in relationship to the primary curriculum and learning environment.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**Prerequisite for:** MATH 300**TEAC 418 Teaching Writing in K-12 Schools****Crosslisted with:** TEAC 818**Description:** Learning and teaching of writing with consideration given to developmental factors of children and adolescents.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**TEAC 420 Teaching Foreign Language in the Elementary School****Crosslisted with:** TEAC 820**Description:** Theory, research and practice of most recent foreign language models and strategies.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**TEAC 425 Work-Based Learning/Coordinating Techniques****Crosslisted with:** TEAC 825, EDAD 825**Description:** Foundation and scope of current and projected vocational cooperative education programs and general education work experience. Coordination techniques, selection and placement, instructional procedures, youth leadership activities, organization and administration, and evaluation of cooperative occupational education.**Credit Hours:** 1-3**Min credits per semester:** 1**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**TEAC 430 Introduction to Philosophy of Education****Crosslisted with:** TEAC 830**Description:** Fundamental ideas and skills that students can use to begin to form personal philosophical perspectives on education that can be justified intellectually, practically, and ethically. Using case studies of realistic school situations and the theoretical work of a range of writers in education, students explore conceptions of teaching, learning, curriculum, and the relationship between school and society.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**TEAC 431 Studies in the Foundations of Education****Crosslisted with:** TEAC 831**Description:** Social and cultural analyses of curriculum, teaching, and education policy from disciplinary perspectives.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 12**Grading Option:** Graded with Option**TEAC 431A Studies in the Foundations of Education - The Anthropology of Education****Crosslisted with:** TEAC 831A**Description:** Social and cultural analyses of curriculum, teaching, and education policy from disciplinary perspectives.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**TEAC 431J Studies in the Foundations of Education - Special Topics****Crosslisted with:** TEAC 831J**Description:** Social and cultural analyses of curriculum, teaching, and education policy from disciplinary perspectives.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**TEAC 432 Higher Education in America****Crosslisted with:** TEAC 832, EDAD 832**Description:** History and development of America's colleges and universities and a study of some recent trends and problems in higher education.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**Prerequisite for:** EDAD 878**Course and Laboratory Fee:** \$30

TEAC 433 Comparative Education

Crosslisted with: TEAC 833

Description: Foundations, trends, and problems of selected national systems of education as seen in cultural perspective.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 433A Comparative Education Survey

Crosslisted with: TEAC 833A

Description: Comparative Education investigates origins, goals, organization, challenges, and accomplishments of various countries' school systems with intentional comparisons to American practices.

The 'A' format is a survey course that considers examples from all over the world. The 'B' format focuses on a single country (plus the U.S. for comparative purposes) and includes overseas travel-study (e.g., to South Korea, South Africa, or Chile) and visits to schools in the visited countries.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

TEAC 433B Comparative Education: Special Topics/Travel Study

Crosslisted with: TEAC 833B

Notes: This course could be taken more than once for additional credits assuming the student uses it for travel-study to different places. For example, a student could not visit South Korea twice with the same professor teaching the same syllabus, but could visit South Korea once (as one 3-hour course) and South Africa (as another 3-hour course).

Description: Investigates origins, goals, organization, challenges, and accomplishments of various countries' school systems with intentional comparisons to American practices. The 'B' format focuses on a single country (plus the U.S. for comparative purposes) and includes overseas travel-study (e.g., to South Korea, South Africa, or Chile) and visits to schools in the visited countries.

Credit Hours: 3-9

Min credits per semester: 3

Max credits per semester: 9

Max credits per degree: 9

Grading Option: Graded with Option

TEAC 434 Ethics and Education

Crosslisted with: TEAC 834

Description: Basic issues in ethics and education. Using theoretical material and case studies, students consider such ideas and issues as the nature of moral judgment, equality, justice, caring, and respect for persons, and discuss how educators might respond in ethically justifiable ways to difficult situations they may encounter.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 436 Latin American Education

Crosslisted with: TEAC 836

Prerequisites: 12 hours education, social sciences, or Latin American Studies; or permission.

Description: Survey of contemporary practices and problems in Latin American education, with special emphasis on the role of education in the national development.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 437 Democracy and Education

Description: Democracy and how educational institutions and practices might facilitate or hinder democratic process and aims. The fact of cultural and moral pluralism in the United States, and to the educational responses to pluralism that are possible and appropriate in a polity that aims to be democratic. A range of stances on these issues.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 438 Linguistics in Language and Learning Contexts

Crosslisted with: TEAC 838

Description: Discusses the relationships among language and learning, educator and learner discourses, and knowledge and action in connection to sociolinguistics, educational practice, and professional development. Introduction to English language morphology, syntax, phonology, semantics, and pragmatics as well as the language of schooling, its linguistic as well as socio-cultural and cognitive features. Addresses issues of diversity and social justice in education.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 439 Literature for Adolescents

Crosslisted with: TEAC 839

Prerequisites: Admission to the Teacher Education Program.

Description: Wide range of young adult literature available for use in schools. Critical and rhetorical tools for responding to a variety of literary texts and techniques for eliciting a wider range of responses to literature; consideration for readers aged 11-16.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 441 Content Area Reading, Grades 4-12

Crosslisted with: TEAC 841

Description: Simultaneous teaching of academic content and functional teaching of reading in the content areas; assessment of comprehension, vocabulary/concept attainment; analyses of text; improvement of content area learning through reading/writing development.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 443 Career and Technical Education: Curriculum Issues

Description: Curriculum issues in Career and Technical Education courses using instructional technology. Subject integration, application of standards, use of Web-based resources and resource management.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 444 Career and Technical Education: Technology Issues

Description: Technology issues and the impact on society of access, privacy, confidentiality, ethics and emerging technologies; professional attitude and responsibility in using technology.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 451 Learning and Teaching Principles and Practices

Crosslisted with: TEAC 851

Prerequisites: Admission to the Teacher Education Program; completion of 80 percent of subject-area course work with a 2.5 GPA or better.

Description: Theoretical issues in the area of teaching and learning as applied to the individual disciplines.

Credit Hours: 3-4

Min credits per semester: 3

Max credits per semester: 4

Max credits per degree: 4

Grading Option: Graded with Option

Course and Laboratory Fee: \$15

TEAC 451I Learning and Teaching Principles and Practices: Secondary Art

Crosslisted with: TEAC 851I

Description: Theoretical issues in the area of teaching and learning as applied to the individual disciplines.

Credit Hours: 3-4

Min credits per semester: 3

Max credits per semester: 4

Max credits per degree: 4

Grading Option: Graded with Option

TEAC 451K Learning and Teaching Principles and Practices: Career and Technical Education

Prerequisites: Admission to the Teacher Education Program; completion of 80 percent of subject-area course work with a 2.5 GPA or better.

Description: Theoretical issues in the area of teaching and learning as applied to the individual disciplines. Procedures for writing, selecting and organizing subject matter for instruction.

Credit Hours: 3-4

Min credits per semester: 3

Max credits per semester: 4

Max credits per degree: 4

Grading Option: Graded with Option

TEAC 451L Learning and Teaching Principles and Practices: Methods of Teaching Information Technology

Description: Theoretical issues in the area of teaching and learning as applied to the individual disciplines.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 451N Learning and Teaching Principles and Practices: Secondary Language Arts

Crosslisted with: TEAC 851N

Prerequisites: Admission to the Teacher Education Program; completion of 80 percent of subject-area course work with a 2.5 GPA or better.

Description: Theoretical issues in the area of teaching and learning as applied to the individual disciplines.

Credit Hours: 3-4

Min credits per semester: 3

Max credits per semester: 4

Max credits per degree: 4

Grading Option: Graded with Option

TEAC 451O Learning and Teaching Principles and Practices: Marketing Education

Description: Theoretical issues in the area of teaching and learning as applied to the individual disciplines.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 451P Learning and Teaching Principles and Practices: Secondary Mathematics

Crosslisted with: TEAC 851P

Prerequisites: Admission to the Teacher Education Program; completion of 80 percent of subject-area course work with a 2.5 GPA or better.

Description: Theoretical issues in the area of teaching and learning as applied to the individual disciplines. Innovative methodology and planning, teaching, and evaluating math lessons for diverse learners.

Credit Hours: 3-4

Min credits per semester: 3

Max credits per semester: 4

Max credits per degree: 4

Grading Option: Graded with Option

TEAC 451R Learning and Teaching Principles and Practices: Secondary Modern Languages

Crosslisted with: TEAC 851R

Prerequisites: Admission to the Teacher Education Program; completion of 80 percent of subject-area course work with a 2.5 GPA or better.

Description: Theoretical issues in the area of teaching and learning as applied to the individual disciplines.

Credit Hours: 3-4

Min credits per semester: 3

Max credits per semester: 4

Max credits per degree: 4

Grading Option: Graded with Option

TEAC 451V Learning and Teaching Principles and Practices: Secondary Science

Crosslisted with: TEAC 851V

Prerequisites: Admission to the Teacher Education Program; completion of 80 percent of subject-area course work with a 2.5 GPA or better. Parallel with TEAC 397V.

Description: Theoretical issues in the area of teaching and learning as applied to the individual disciplines. Investigates issues in secondary science learning and teaching with emphasis on contextualized practice in each field as well as interdisciplinary approaches to planning, research, testing, laboratory safety, and the affective and cognitive needs of diverse learners.

Credit Hours: 3-4

Min credits per semester: 3

Max credits per semester: 4

Max credits per degree: 4

Grading Option: Graded with Option

Course and Laboratory Fee: \$15

TEAC 451W Learning and Teaching Principles and Practices: Secondary Social Science

Crosslisted with: TEAC 851W

Prerequisites: Admission to the Teacher Education Program; completion of 80 percent of subject-area course work with a 2.5 GPA or better.

Description: Theoretical issues in the area of teaching and learning as applied to the individual disciplines.

Credit Hours: 3-4

Min credits per semester: 3

Max credits per semester: 4

Max credits per degree: 4

Grading Option: Graded with Option

TEAC 452 Curriculum Principles and Practices

Crosslisted with: TEAC 852

Prerequisites: Admission to the Teacher Education Program; completion of 80 percent of subject-area course work with 2.5 GPA or better.

Description: Focus on practical issues in the area of teaching and learning as applied to the individual disciplines.

Credit Hours: 2-3

Min credits per semester: 2

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Course and Laboratory Fee: \$15

Experiential Learning: Case/Project-Based Learning

TEAC 452I Curriculum Principles and Practices Secondary Art

Crosslisted with: TEAC 852I

Description: Focus on practical issues in the area of teaching and learning as applied to the individual disciplines.

Credit Hours: 2-3

Min credits per semester: 2

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 452J Curriculum Principles and Practices - Business Education

Description: Focus on practical issues in the area of teaching and learning as applied to the individual disciplines.

Credit Hours: 2-3

Min credits per semester: 2

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Experiential Learning: Case/Project-Based Learning

TEAC 452M Curriculum Principles and Practices - Industrial Education

Description: Focus on practical issues in the area of teaching and learning as applied to the individual disciplines.

Credit Hours: 2-3

Min credits per semester: 2

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Experiential Learning: Case/Project-Based Learning

TEAC 452N Curriculum Principles and Practices Secondary Language

Crosslisted with: TEAC 852N

Description: Focus on practical issues in the area of teaching and learning as applied to the individual disciplines.

Credit Hours: 2-3

Min credits per semester: 2

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Experiential Learning: Case/Project-Based Learning

TEAC 452P Curriculum Principles and Practices Secondary Mathematics

Crosslisted with: TEAC 852P

Description: Focus on practical issues in the area of teaching and learning as applied to the individual disciplines.

Credit Hours: 2-3

Min credits per semester: 2

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Experiential Learning: Case/Project-Based Learning

TEAC 452R Curriculum Principles and Practices Secondary Modern Languages

Crosslisted with: TEAC 852R

Description: Focus on practical issues in the area of teaching and learning as applied to the individual disciplines.

Credit Hours: 2-3

Min credits per semester: 2

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Experiential Learning: Case/Project-Based Learning

TEAC 452V Curriculum Principles and Practices Secondary Science

Crosslisted with: TEAC 852V

Description: Focus on practical issues in the area of teaching and learning as applied to the individual disciplines.

Credit Hours: 2-3

Min credits per semester: 2

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Course and Laboratory Fee: \$15

Experiential Learning: Case/Project-Based Learning

TEAC 452W Curriculum Principles and Practices Secondary Social Science**Crosslisted with:** TEAC 852W**Description:** Focus on practical issues in the area of teaching and learning as applied to the individual disciplines.**Credit Hours:** 2-3**Min credits per semester:** 2**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**Experiential Learning:** Case/Project-Based Learning**TEAC 453V The Middle Level Professional Methods: Science****Description:** Development of competence in planning, teaching, classroom management and assessment. Covers the scope, content, and organization of curriculum and instructional materials.**Credit Hours:** 2**Max credits per semester:** 2**Max credits per degree:** 2**Grading Option:** Graded with Option**TEAC 454 Multiethnic Literature for Children & Adolescents****Crosslisted with:** TEAC 854**Description:** Engage with literature written for children and adolescent audiences that examines cultural and ethnic portrayals of texts and illustrations. Study a variety of genres set in various global locations as well as works focusing on the lives of minority and marginalized groups in the United States. Critically examine and explore past and current literary representations of race, ethnicity, gender, and culture as reflected by people, places, and customs in connection to one's own perceptions and how such views develop. Inquiry and critical analysis serve as the foundation for exploration and understanding of issues presented in this course.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**Offered:** SUMMER**TEAC 454E Literature in Education: Special Topics****Description:** Comparative analyses of literature and the role of the reader as meaning maker in educational settings.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**TEAC 480 Teaching with Technology****Crosslisted with:** TEAC 880**Description:** Survey and analysis of the application of technology to improve teaching. Research and related literature on learning, teaching and curriculum, and the critical application of technology and the development of teaching strategies.**Credit Hours:** 1-3**Min credits per semester:** 1**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**TEAC 480A Teaching with Technology: Survey of Instructional Technology****Crosslisted with:** TEAC 880A**Description:** Survey and analysis of the application of technology to improve teaching. Research and related literature on learning, teaching and curriculum, and the critical application of technology and the development of teaching strategies.**Credit Hours:** 1-3**Min credits per semester:** 1**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**TEAC 480B Teaching with Technology: Designing Instructional Technology K-12****Crosslisted with:** EDAD 880B, TEAC 880B**Description:** Survey and analysis of the application of technology to improve teaching. Research and related literature on learning, teaching and curriculum, and the critical application of technology and the development of teaching strategies.**Credit Hours:** 1-3**Min credits per semester:** 1**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**TEAC 480E Teaching with Technology: Instructional Technology in Mathematics****Crosslisted with:** TEAC 880E**Description:** Survey and analysis of the application of technology to improve teaching. Research and related literature on learning, teaching and curriculum, and the critical application of technology and the development of teaching strategies.**Credit Hours:** 1-3**Min credits per semester:** 1**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**TEAC 480J Teaching with Technology: Instructional Technology in Language Arts****Crosslisted with:** TEAC 880J**Description:** Survey and analysis of the application of technology to improve teaching. Research and related literature on learning, teaching and curriculum, and the critical application of technology and the development of teaching strategies.**Credit Hours:** 1-3**Min credits per semester:** 1**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**TEAC 480K Teaching with Technology: Instructional Technology in Science****Crosslisted with:** TEAC 880K**Description:** Survey and analysis of the application of technology to improve teaching. Research and related literature on learning, teaching and curriculum, and the critical application of technology and the development of teaching strategies.**Credit Hours:** 1-3**Min credits per semester:** 1**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Grade Pass/No Pass Option

TEAC 480L Teaching with Technology: Instructional Technology in Social Sciences

Crosslisted with: TEAC 880L

Description: Survey and analysis of the application of technology to improve teaching. Research and related literature on learning, teaching and curriculum, and the critical application of technology and the development of teaching strategies.

Credit Hours: 1-3

Min credits per semester: 1

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 480M Teaching with Technology: Learning Analytics, Assessment, and Evaluation

Crosslisted with: TEAC 880M

Notes: Due to the rapidly changing nature of learning analytics this course may be repeated.

Description: Survey and analysis of the application of technology-supported learning analytics, assessment, and evaluation to improve teaching and learning. Research and related literature on learning, teaching and curriculum, and the critical application of technology and the development of technology's role in supporting teaching and learning strategies.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 6

Grading Option: Graded with Option

Offered: SUMMER

TEAC 480N Teaching with Technology: Web Teaching

Crosslisted with: TEAC 880N

Description: Survey and analysis of the application of technology to improve teaching. Research and related literature on learning, teaching and curriculum, and the critical application of technology and the development of teaching strategies.

Credit Hours: 1-3

Min credits per semester: 1

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 480P Teaching with Technology: Special Topics

Crosslisted with: TEAC 880P

Description: Survey and analysis of the application of technology to improve teaching. Research and related literature on learning, teaching and curriculum, and the critical application of technology and the development of teaching strategies.

Credit Hours: 1-3

Min credits per semester: 1

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 482 Instructional Applications of Computers-Practicum

Crosslisted with: TEAC 882

Prerequisites: Permission.

Description: A task-oriented practicum for the demonstration of fluency with advanced technology and the application of instructional design to the development of educational resources. Supervised tasks centered experiences.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 15

Grading Option: Graded with Option

TEAC 482D Artificial Intelligence, and APIs in the Design of Learning Experiences

Crosslisted with: TEAC 882D

Description: Task-oriented practicum for the demonstration of fluency with advanced technology and the application of instructional design to the development of educational resources. Supervised task-centered experiences.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

TEAC 490 Workshop Seminar

Credit Hours: 1-12

Min credits per semester: 1

Max credits per semester: 12

Max credits per degree: 12

Grading Option: Graded with Option

TEAC 491 Professional Practicum in Postsecondary Education

Prerequisites: Permission.

Description: Supervised teaching experiences at postsecondary or adult levels, in public or private schools or agencies.

Credit Hours: 1-10

Min credits per semester: 1

Max credits per semester: 10

Max credits per degree: 10

Grading Option: Graded with Option

TEAC 495 Independent Study

Credit Hours: 1-6

Min credits per semester: 1

Max credits per semester: 6

Max credits per degree: 6

Grading Option: Graded with Option

TEAC 496 Problems in Secondary Education

Prerequisites: Permission.

Description: Opportunities for experienced teachers and administrators to develop plans, procedures, or experiments directed to the improvement of the curriculum or administration of the secondary school.

Credit Hours: 1-6

Min credits per semester: 1

Max credits per semester: 6

Max credits per degree: 6

Grading Option: Graded with Option

TEAC 497A Student Teaching Elementary (K-6)

Prerequisites: Admission by application; completion of all required methods courses and practica with minimum grades of C+ (2.33) per course.

Description: Supervised teaching experiences in schools. Accompanying seminar focuses on: teacher certification, teacher and student rights and responsibilities, proper conduct of teachers, selected legal aspects of education, methods of communicating with parents and community members, and current issues which impact education.

Credit Hours: 1-10

Min credits per semester: 1

Max credits per semester: 10

Max credits per degree: 10

Grading Option: Pass No Pass

Experiential Learning: Student Teaching/Education Practicum

TEAC 497B Student Teaching Elementary Art

Prerequisites: Admission by application; completion of all required methods courses and practica with minimum grades of C+ (2.33) per course.

Description: Supervised teaching experiences in schools. Accompanying seminar focuses on: teacher certification, teacher and student rights and responsibilities, proper conduct of teachers, selected legal aspects of education, methods of communicating with parents and community members, and current issues which impact education.

Credit Hours: 1-10

Min credits per semester: 1

Max credits per semester: 10

Max credits per degree: 10

Grading Option: Pass No Pass

Experiential Learning: Student Teaching/Education Practicum

TEAC 497E Student Teaching English as a Second Language

Prerequisites: Admission by application; completion of all required methods courses and practica with minimum grades of C+ (2.33) per course.

Description: Supervised teaching experiences in schools. Accompanying seminar focuses on: teacher certification, teacher and student rights and responsibilities, proper conduct of teachers, selected legal aspects of education, methods of communicating with parents and community members, and current issues which impact education.

Credit Hours: 1-14

Min credits per semester: 1

Max credits per semester: 14

Max credits per degree: 14

Grading Option: Pass No Pass

Experiential Learning: Student Teaching/Education Practicum

TEAC 497G Student Teaching Elementary Foreign Language

Prerequisites: Admission by application; completion of all required methods courses and practica with minimum grades of C+ (2.33) per course.

Description: Supervised teaching experiences in schools. Accompanying seminar focuses on: teacher certification, teacher and student rights and responsibilities, proper conduct of teachers, selected legal aspects of education, methods of communicating with parents and community members, and current issues which impact education.

Credit Hours: 1-10

Min credits per semester: 1

Max credits per semester: 10

Max credits per degree: 10

Grading Option: Pass No Pass

Experiential Learning: Student Teaching/Education Practicum

TEAC 497I Student Teaching Secondary Art

Prerequisites: Admission by application; completion of all required methods courses and practica with minimum grades of C+ (2.33) per course.

Description: Supervised teaching experiences in schools. Accompanying seminar focuses on: teacher certification, teacher and student rights and responsibilities, proper conduct of teachers, selected legal aspects of education, methods of communicating with parents and community members, and current issues which impact education.

Credit Hours: 1-10

Min credits per semester: 1

Max credits per semester: 10

Max credits per degree: 10

Grading Option: Pass No Pass

TEAC 497J Student Teaching - Secondary Business Education

Prerequisites: Admission by application; completion of all required methods courses and practica with minimum grades of C+ (2.33) per course.

Description: Supervised teaching experiences in schools. Accompanying seminar focuses on: teacher certification, teacher and student rights and responsibilities, proper conduct of teachers, selected legal aspects of education, methods of communicating with parents and community members, and current issues which impact education.

Credit Hours: 1-10

Min credits per semester: 1

Max credits per semester: 10

Max credits per degree: 10

Grading Option: Pass No Pass

Experiential Learning: Student Teaching/Education Practicum

TEAC 497M Student Teaching: Secondary Industrial Education

Description: Supervised teaching experiences in schools. Accompanying seminar focuses on: teacher certification, teacher and student rights and responsibilities, proper conduct of teachers, selected legal aspects of education, methods of communicating with parents and community members, and current issues which impact education.

Credit Hours: 1-10

Min credits per semester: 1

Max credits per semester: 10

Max credits per degree: 10

Grading Option: Pass No Pass

Experiential Learning: Student Teaching/Education Practicum

TEAC 497N Student Teaching: Secondary Language Arts

Prerequisites: Admission by application; completion of all required methods courses and practica with minimum grades of C+ (2.33) per course.

Description: Supervised teaching experiences in schools. Accompanying seminar focuses on: teacher certification, teacher and student rights and responsibilities, proper conduct of teachers, selected legal aspects of education, methods of communicating with parents and community members, and current issues which impact education.

Credit Hours: 1-10

Min credits per semester: 1

Max credits per semester: 10

Max credits per degree: 10

Grading Option: Pass No Pass

Experiential Learning: Student Teaching/Education Practicum

TEAC 4970 Student Teaching: Secondary Marketing Education

Prerequisites: Admission by application; completion of all required methods courses and practica with minimum grades of C+ (2.33) per course.

Description: Supervised teaching experiences in schools. Accompanying seminar focuses on: teacher certification, teacher and student rights and responsibilities, proper conduct of teachers, selected legal aspects of education, methods of communicating with parents and community members, and current issues which impact education.

Credit Hours: 1-10

Min credits per semester: 1

Max credits per semester: 10

Max credits per degree: 10

Grading Option: Pass No Pass

Experiential Learning: Student Teaching/Education Practicum

TEAC 497P Student Teaching Secondary Mathematics

Prerequisites: Admission by application; completion of all required methods courses and practica with minimum grades of C+ (2.33) per course.

Description: Supervised teaching experiences in schools. Accompanying seminar focuses on: teacher certification, teacher and student rights and responsibilities, proper conduct of teachers, selected legal aspects of education, methods of communicating with parents and community members, and current issues which impact education.

Credit Hours: 1-10

Min credits per semester: 1

Max credits per semester: 10

Max credits per degree: 10

Grading Option: Pass No Pass

Experiential Learning: Student Teaching/Education Practicum

TEAC 497Q Student Teaching Middle School

Prerequisites: Admission by application; completion of all required methods courses and practica with minimum grades of C+ (2.33) per course.

Description: Supervised teaching experiences in schools. Accompanying seminar focuses on: teacher certification, teacher and student rights and responsibilities, proper conduct of teachers, selected legal aspects of education, methods of communicating with parents and community members, and current issues which impact education.

Credit Hours: 1-10

Min credits per semester: 1

Max credits per semester: 10

Max credits per degree: 10

Grading Option: Pass No Pass

TEAC 497R Student Teaching Secondary Modern Language

Prerequisites: Admission by application; completion of all required methods courses and practica with minimum grades of C+ (2.33) per course.

Description: Supervised teaching experiences in schools. Accompanying seminar focuses on: teacher certification, teacher and student rights and responsibilities, proper conduct of teachers, selected legal aspects of education, methods of communicating with parents and community members, and current issues which impact education.

Credit Hours: 1-10

Min credits per semester: 1

Max credits per semester: 10

Max credits per degree: 10

Grading Option: Pass No Pass

Experiential Learning: Student Teaching/Education Practicum

TEAC 497V Student Teaching Secondary Science

Prerequisites: Admission by application; completion of all required methods courses and practica with minimum grades of C+ (2.33) per course.

Description: Supervised teaching experiences in schools. Accompanying seminar focuses on: teacher certification, teacher and student rights and responsibilities, proper conduct of teachers, selected legal aspects of education, methods of communicating with parents and community members, and current issues which impact education.

Credit Hours: 1-10

Min credits per semester: 1

Max credits per semester: 10

Max credits per degree: 10

Grading Option: Pass No Pass

Experiential Learning: Student Teaching/Education Practicum

TEAC 497W Student Teaching Secondary Social Science

Prerequisites: Admission by application; completion of all required methods courses and practica with minimum grades of C+ (2.33) per course.

Description: Supervised teaching experiences in schools. Accompanying seminar focuses on: teacher certification, teacher and student rights and responsibilities, proper conduct of teachers, selected legal aspects of education, methods of communicating with parents and community members, and current issues which impact education.

Credit Hours: 1-10

Min credits per semester: 1

Max credits per semester: 10

Max credits per degree: 10

Grading Option: Pass No Pass

Experiential Learning: Student Teaching/Education Practicum

TEAC 497Y Student Teaching Mainstreaming

Description: Supervised teaching experiences in schools. Accompanying seminar focuses on: teacher certification, teacher and student rights and responsibilities, proper conduct of teachers, selected legal aspects of education, methods of communicating with parents and community members, and current issues which impact education.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Grading Option: Pass No Pass

Experiential Learning: Student Teaching/Education Practicum

TEAC 497Z Student Teaching Multicultural

Crosslisted with: NUTR 497Z, SPED 497Z

Description: Supervised teaching experiences in schools. Accompanying seminar focuses on: teacher certification, teacher and student rights and responsibilities, proper conduct of teachers, selected legal aspects of education, methods of communicating with parents and community members, and current issues which impact education.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Grading Option: Pass No Pass

Course and Laboratory Fee: \$25

Experiential Learning: Student Teaching/Education Practicum

TEAC 498 Problems in Elementary Education**Crosslisted with:** TEAC 898**Prerequisites:** Permission.**Description:** Opportunities to develop plans, procedures, experiments, and models directed to the improvement of elementary school education on an independent study basis.**Credit Hours:** 2-3**Min credits per semester:** 2**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**TEAC 499H Honors Thesis****Prerequisites:** Good standing in the University Honors Program or by invitation.**Description:** Conduct a scholarly research project and write a University Honors Program or undergraduate thesis.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded

Career Information

The following represents a sample of the internships, jobs and graduate school programs that current students and recent graduates have reported.

Jobs of Recent Graduates

- Freshman Science Teacher, Lincoln Public Schools - Lincoln, NE
- Middle School Science Teacher, Lincoln Public Schools - Lincoln, NE
- Science Teacher, Grand Island Public Schools - Grand Island, NE
- Elementary Science Teacher (3-6), Educational Service Unit #5 - Beatrice, NE
- Science Teacher (8), Lincoln Public Schools - Lincoln, NE
- Science Teacher (7-8), Wahoo Public Schools - Wahoo, NE
- Science Teacher (8), Broken Bow Public Schools - Broken Bow, NE
- High School Science Teacher, Palmyra-Bennet - Palmyra, NE
- Science Teacher (1-12), Logan View Public Schools - Hooper, NE
- Science Teacher, North Bend Central Public Schools - North Bend, NE