

SCIENCE (7-12) ENDORSEMENT

Secondary Education, Bachelor Science in Education - Science (7-12) Endorsement Requirements

Code	Title	Credits
GENERAL EDUCATION REQUIREMENTS - 46 Hours Required		
Minimum of "C-" required		
Fundamental Academic Skills		15
ENGL 1150	ENGLISH COMPOSITION I	
ENGL 1160	ENGLISH COMPOSITION II	
Writing in the Discipline Course		
CMST 1110 or CMST 2120	PUBLIC SPEAKING FUNDS ARGUMENTATION AND DEBATE	
MATH 1120 or MATH 1100 or MATH 1130 or MATH 1140 or MATH 1300 or STAT 1100 or STAT 1530	INTRODUCTION TO MATHEMATICAL AND COMPUTATIONAL THINKING DATA LITERACY AND VISUALIZATION QUANTITATIVE LITERACY QUANTITATIVE REASONING FOR HEALTHCARE PROFESSIONALS COLLEGE ALGEBRA WITH SUPPORT DATA LITERACY AND VISUALIZATION ELEMENTARY STATISTICS	
Distribution Requirements		31
Natural Science - From two disciplines and at least one lab - 7 hrs		
Social Science - From two disciplines - 9 hrs		
Humanities and Fine Arts - From two disciplines - 9 hrs		
Global Diversity - 3 hrs		
US Diversity - 3 hrs		
MAJOR REQUIREMENTS - 87 Hours Required		
**Course will satisfy UNO's General Education requirement		
^Course requires pre-requisite(s)		
All of the following:		39
TED 2100	EDUCATIONAL FOUNDATIONS (** ^)	
TED 2200	HUMAN RELATIONS FOR BIAS-FREE CLASSROOMS (** ^)	
TED 2380	DEVELOPMENT AND LEARNING IN ADOLESCENCE (^)	
TED 2400	PLANNING FOR EFFECTIVE TEACHING (^)	
TED 3550	SECONDARY CLASSROOM MANAGEMENT (^)	
TED 3690	LITERACY AND LEARNING (^)	
SPED 3800	DIFFERENTIATION AND INCLUSIVE PRACTICES (^)	
TED 4000	SPECIAL METHODS IN THE CONTENT AREA (^)	
TED 4600	CLINICAL PRACTICE AND SEMINAR: ELEMENTARY OR SECONDARY LEVEL (^)	
Science Endorsement required courses		48
BIOL 1450	BIOLOGY I (** ^)	
BIOL 1750	BIOLOGY II (^)	

CHEM 1180	GENERAL CHEMISTRY I (** ^)
CHEM 1184	GENERAL CHEMISTRY I LABORATORY (** ^)
CHEM 1190	GENERAL CHEMISTRY II (^)
CHEM 1194	GENERAL CHEMISTRY II LABORATORY (^)
CHEM 2210	FUNDAMENTALS OF ORGANIC CHEMISTRY (^)
CHEM 2214	FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^)
PHYS 1110	GENERAL PHYSICS I (** ^)
PHYS 1154	GENERAL PHYSICS LABORATORY I (** ^)
PHYS 1120	GENERAL PHYSICS II (^)
PHYS 1164	GENERAL PHYSICS LABORATORY II (^)
PHYS 1350	PRINCIPLES OF ASTRONOMY (** ^)
GEOL 1170	INTRODUCTION TO PHYSICAL GEOLOGY (**)
GEOL 1100	EARTH SYSTEM SCIENCE (**)
GEOL 1104	EARTH SYSTEM SCIENCE LAB (**)
MATH 1300	COLLEGE ALGEBRA WITH SUPPORT (**)

ELECTIVES

Elective hours as required to reach a total of 120 hours

Candidates must have satisfactorily completed all required coursework prior to clinical practice.

A minimum grade of "C" must be earned in all certification requirements, endorsements, and concentrations. All grades of incomplete and any grades below "C" in these specific requirements must be removed prior to clinical practice. Candidates are responsible for contacting their advisor regarding said grades.

For courses in this major/ endorsement that require a grade of C or higher, CR/ NC is not permissible.

Candidates must have a minimum cumulative GPA of 2.75 or higher in order to be eligible for clinical practice.

Secondary Education, Bachelor Science in Education - Science (7-12) Endorsement Four Year Plan

Freshman

Fall		Credits
ENGL 1150	ENGLISH COMPOSITION I	3
MATH 1300	COLLEGE ALGEBRA WITH SUPPORT	4
BIOL 1450	BIOLOGY I	5
Social Science		3
Attend Welcome Week events; other campus events		
Advising appointment for spring: Sept. - Oct.		
Note: ENGL 1150, ENGL 1160, CMST 1110 or 2120, and approved math (Quantitative Literacy) course should be taken and passed in the first academic year		
Consider taking MATH 1320:Pre-Calc Algebra instead of MATH 1220 College Algebra to satisfy pre-requisites of endorsement coursework		

Credits **15**

Spring

ENGL 1160	ENGLISH COMPOSITION II	3
CMST 1110	PUBLIC SPEAKING FUNDS	3

BIOL 1750	BIOLOGY II	5
MATH 1320	PRE-CALCULUS ALGEBRA	3
Advising appointment for fall: February - March		
Join a student organization		
Make a plan to take the Praxis Core		
MUST establish 2.5+ NU GPA (by the end of summer courses) in order to enroll in TED 2100 for fall semester		
Credits		14
Summer		
Humanities and Fine Arts		3
Social Science		3
Credits		6
Sophomore		
Fall		
TED 2100	EDUCATIONAL FOUNDATIONS	3
CHEM 1180 & CHEM 1184	GENERAL CHEMISTRY I and GENERAL CHEMISTRY I LABORATORY	4
PHYS 1110 & PHYS 1154	GENERAL PHYSICS I and GENERAL PHYSICS LABORATORY I	5
Humanities and Fine Arts with Global Diversity		3
Advising appointment for spring: Sept. - Oct.		
Identify professional organization to get involved with. Begin resume development.		
Credits		15
Spring		
TED 2200	HUMAN RELATIONS FOR BIAS-FREE CLASSROOMS	3
PHYS 1120 & PHYS 1164	GENERAL PHYSICS II and GENERAL PHYSICS LABORATORY II	5
CHEM 1190 & CHEM 1194	GENERAL CHEMISTRY II and GENERAL CHEMISTRY II LABORATORY	4
Social Science		3
Advising appointment for fall: February - March		
Apply to Educator Preparation Program for March 1 or June 1 deadline		
Credits		15
Junior		
Fall		
TED 2380	DEVELOPMENT AND LEARNING IN ADOLESCENCE	3
TED 2400	PLANNING FOR EFFECTIVE TEACHING	6
PHYS 1350	PRINCIPLES OF ASTRONOMY	3
GEOL 1170	INTRODUCTION TO PHYSICAL GEOLOGY	4
Advising appointment for spring: Sept. - Oct.		
MUST attempt PRAXIS Core by January 10th and have 2.75 minimum NU GPA to progress in Educator Preparation Program.		
Credits		16
Spring		
TED 3550	SECONDARY CLASSROOM MANAGEMENT	3
TED 3690	LITERACY AND LEARNING	3
CHEM 2210 & CHEM 2214	FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY	5

Advising appointment for fall: February - March		
Credits		11
Summer		
BIOL 3340	ECOLOGY	4
Credits		4
Senior		
Fall		
TED 4000	SPECIAL METHODS IN THE CONTENT AREA	3
SPED 3800	DIFFERENTIATION AND INCLUSIVE PRACTICES	3
GEOL 1100 & GEOL 1104	EARTH SYSTEM SCIENCE and EARTH SYSTEM SCIENCE LAB	4
Humanities and Fine Arts		3
Take Praxis II- General Science: Content Knowledge #5435		
Advising appointment for spring: Sept. - Oct.		
Apply for clinical practice at beginning of fall term.		
Credits		13
Spring		
Clinical Practice		12
Apply for graduation		
Credits		12
Total Credits		121

This roadmap is a suggested plan of study and does not replace meeting with an advisor. Please note that students may need to adjust the actual sequence of courses based on course availability. Please consult an advisor in your major program for further guidance.

This plan is not a contract and curriculum is subject to change

Additional Information About this Plan:

University Degree Requirements: The minimum number of hours for a UNO undergraduate degree is 120 credit hours. Please review the requirements for your specific program to determine all requirements for the program. In order to graduate on-time (four years for an undergraduate degree), you need to take 30 hours each year. Information in this document is based off of the 2024-2025 catalog.

Placement Exams: For Math, English, Foreign Language, a placement exam may be required. More information on these exams can be found at <https://www.unomaha.edu/enrollment-management/testing-center/placement-exams/information.php>

**Transfer credit or placement exam scores may change suggested plan of study

GPA Requirements: Cumulative 2.5 GPA for Educator Preparation Program initial acceptance, cumulative 2.75 GPA for formal admission and graduation.

Graduation Requirements: Students must have a cumulative GPA of at least 2.75, no grade lower than "C" in required courses, and no incomplete in required courses to be recommended for graduation.