GENERAL SCIENCE, BACHELOR OF SCIENCE

General Science, Bachelor of Science Requirements

Code	Title	Credits
GENERAL EDUCATION REQUIREMENTS - 34 Hours Required		
Minimum of "C-"required		
Fundamental Skills		**15**
Writing – 6 hrs.		
ENGL 1150	ENGLISH COMPOSITION I	
ENGL 1160	COLLEGE RESEARCH AND INFORMATION LITERACY	
Oral Communication – 3 hrs.		
CMST 1110	PUBLIC SPEAKING FUNDS	
or CMST 2120	ARGUMENTATION AND DEBATE	
Quantitative Literacy – 3 hrs.		
MATH 1120	INTRODUCTION TO MATHEMATICAL AND COMPUTATIONAL THINKING	
or MATH 1130	QUANTITATIVE LITERACY	
or MATH 1140	QUANTITATIVE REASONING FOR HEALTHCARE PROFESSIONALS	
or MATH 1300	COLLEGE ALGEBRA WITH SUPPORT	
Data Literacy – 3 hrs.		
Select one from the following:		
STAT 1100	DATA LITERACY AND VISUALIZATION	
STAT 1530	ELEMENTARY STATISTICS	
Until Fall 2028, students can satisfy this requirement with an approved data literacy course, or any approved natural or social science general education course.		
Breadth of Knowledge		**13**
Social Science – 3 hrs.		
Humanities – 3 hrs.		
Natural & Physical Science (must complete a lab) – 4 hrs.		
Arts – 3 hrs.		
Individual and Social Responsibility		**6**
Cultural Knowledge – 3 hrs.		
Civic Knowledge and Engagement – 3 hrs.		
MAJOR REQUIREMENTS		
**Course will satisfy UNO's General Education requirement		
^Course requires pre-requisite(s)		
General Science - 53-54 Hours Required		
Required Coursework		**26**
BIOL 1450	BIOLOGY I (**)	
BIOL 1750	BIOLOGY II (^)	
CHEM 1180 & CHEM 1184	GENERAL CHEMISTRY I and GENERAL CHEMISTRY I LABORATORY (** ^)	
CHEM 1190 & CHEM 1194	GENERAL CHEMISTRY II and GENERAL CHEMISTRY II LABORATORY (^)	
GEOL 1170	INTRODUCTION TO PHYSICAL GEOLOGY (**)	
OR		
GEOL 1100 & GEOL 1104	EARTH SYSTEM SCIENCE and EARTH SYSTEM SCIENCE LAB (**)	
GEOG 1030	OUR DYNAMIC PLANET: INTRODUCTION TO PHYSICAL GEOGRAPHY (**)	
Select one of the following (PHYS) Physics Options		**10**
PHYS 1110 & PHYS 1154	PHYSICS FOR LIFE SCIENCE I and GENERAL PHYSICS LABORATORY I (** ^)	
PHYS 1120 & PHYS 1164	PHYSICS FOR LIFE SCIENCE II and GENERAL PHYSICS LABORATORY II (^)	
OR		
PHYS 2110 & PHYS 1154	GENERAL PHYSICS I - CALCULUS LEVEL and GENERAL PHYSICS LABORATORY I (** ^)	
PHYS 2120 & PHYS 1164	GENERAL PHYSICS II-CALCULUS LEVEL and GENERAL PHYSICS LABORATORY II (^)	
Mathematics and Statistics Requirement - choose one option		**5-6**
Option 1 - select one of the following calculus courses:		
MATH 1940	CALCULUS FOR BIOMEDICINE (^)	
MATH 1950	CALCULUS I (^)	
OR Option 2 - take both of the following courses:		
MATH 1930	CALCULUS FOR THE MANAGERIAL, LIFE, AND SOCIAL SCIENCES (^)	
AND one advisor-approved STATISTICS course		
Select 12 additional credits of 2000-level coursework from at least two of the following subjects: Biology, Chemistry, Geography, Geology, and Physics.		**12**
College Breadth (choose one option)		**15-30+**
Option 1: Complete any UNO minor or undergraduate certificate - 15+ hours		
Option 2: Additional General Education Requirements - 18+ hours		
Additional quantitative literacy - 3 hours		
Additional Social Science Gen. Ed. from another Discipline - 3 hours		
Additional Humanities Gen. Ed. from another Discipline - 3 hours		
HIST 1000 and HIST 1010 - 6 hours		
Additional Nat. and Physical Science w/ or without Lab - 3-5 hours		
Option 3: CAS comprehensive major (50+ hours) OR any second UNO major (30+ hours)		
Bachelor of Science Cognate Requirement		**15**
Students pursuing the B.S. in General Science must complete 15 hours of cognate coursework—a field of specialization outside their major that aligns with their interests and career goals. Cognates are designed by the student in consultation with an undergraduate advisor. For General Science majors, 3000-4000 level coursework is recommended to fulfill this College of Arts and Sciences (CAS) requirement.		
ELECTIVES		
Elective hours as required to reach a total of 120 hours		

General Science, Bachelor of Science Concentrations

- Medical Laboratory Science Concentration (http://catalog.unomaha.edu/undergraduate/college-arts-sciences/general-science/general-science-bs/medical-lab-science-conc/)

General Science, Bachelor of Science Four Year Plan

Freshman

Fall		Credits
BIOL 1450	BIOLOGY I	5
ENGL 1150	ENGLISH COMPOSITION I	3
GEOG 1030	OUR DYNAMIC PLANET: INTRODUCTION TO PHYSICAL GEOGRAPHY	4
MATH 1930 or MATH 1940 or MATH 1950	CALCULUS FOR THE MANAGERIAL, LIFE, AND SOCIAL SCIENCES or CALCULUS FOR BIOMEDICINE or CALCULUS I	3-5
	Attend Durango Days; other campus events. Set up a Handshake account and take the Pathway U career assessment. Attend the Student Involvement & Volunteer Fair to explore student organizations. Make advising appointment for spring: Sept-Oct. Work with your advisor to develop your Pathway in Stellic.	
	Credits	**15-17**
Spring		
BIOL 1750	BIOLOGY II	5
ENGL 1160	COLLEGE RESEARCH AND INFORMATION LITERACY	3
STAT 1530	ELEMENTARY STATISTICS	3
General Education Course or Elective		3
	Attend campus events such as major exploration week to get an idea of interests and career paths. Schedule a resume review with UNO Career Services. Visit faculty office hours and ask about undergraduate research opportunities. Make advising appointment for summer and fall: February – March.	
	Credits	**14**

Sophomore

Fall		
CMST 1110 or CMST 2120	PUBLIC SPEAKING FUNDS or ARGUMENTATION AND DEBATE	3
PHYS 1110 or PHYS 2110	PHYSICS FOR LIFE SCIENCE I or GENERAL PHYSICS I - CALCULUS LEVEL	4
PHYS 1154	GENERAL PHYSICS LABORATORY I	1
General Education Course or Elective		3
General Education Course or Elective		3
	Attend the Career & Internship Fair to start networking with employers. Look for volunteer, research, or part-time work to gain experience. Join a student organization or club related to your field or interests. Make advising appointment for spring: Sept. - Oct.	
	Credits	**14**
Spring		
PHYS 1120 or PHYS 2120	PHYSICS FOR LIFE SCIENCE II or GENERAL PHYSICS II-CALCULUS LEVEL	4
PHYS 1164	GENERAL PHYSICS LABORATORY II	1
GEOL 1100 & GEOL 1104 or GEOL 1170	EARTH SYSTEM SCIENCE (with corresponding lab) or INTRODUCTION TO PHYSICAL GEOLOGY	4
B.S. Cognate Course		3
General Education Course or Elective		3
	Attend a career fair for informational and networking purposes. Update your resume and LinkedIn profile with new experiences. Investigate and apply for summer internships, research, or study abroad programs. Make advising appointment for summer and fall: February – March.	
	Credits	**15**

Junior

Fall		
CHEM 1180 & CHEM 1184	GENERAL CHEMISTRY I and GENERAL CHEMISTRY I LABORATORY	4
Advanced General Science Course at the 2000+ level		3
B.S. Cognate Course		3
General Education Course or Elective		3
General Education Course or Elective		3
	Apply for a paid internship or research assistantship. Attend a mock interview workshop or use online interview tools with Career Services. Start researching and visiting graduate programs or professional schools. Visit University Career Center or Health Careers Resource Center (if applying to professional health programs) continue updating resume. Make advising appointment for spring: Sept-Oct.	
	Credits	**16**
Spring		
CHEM 1190 & CHEM 1194	GENERAL CHEMISTRY II and GENERAL CHEMISTRY II LABORATORY	4
Advanced General Science Course at the 2000+ level		3
B.S. Cognate Course		3
General Education Course or Elective		3
General Education Course or Elective		3
	Request letters of recommendation from faculty for jobs or grad school. Attend the All-Majors Career Fair with a plan to network. Meet with your advisor or submit for a graduation check-in to review remaining degree requirements. Make advising appointment for summer and fall: February – March.	
	Credits	**16**

Senior

Fall		
Advanced General Science Course at the 2000+ level		3
B.S. Cognate Course		3
General Education Course or Elective		3
General Education Course or Elective		3
General Education Course or Elective		3
	Depending on post-baccalaureate plans, check in with Career Center for networking tips. Finalize graduate school applications or job search strategy. Attend a career fair and start applying for full-time jobs. Prepare for interviews and salary negotiations with Career Services. Make advising appointment for spring: Sept. - Oct.	
	Credits	**15**
Spring		
Advanced General Science Course at the 2000+ level		3

B.S. Cognate Course	3
General Education Course or Elective	3
General Education Course or Elective	3
General Education Course or Elective	3
Complete your final advising check before graduation. Polish your resume, cover letters, and LinkedIn profile. Stay connected by joining alumni networks and professional organizations. Apply for graduation via MavLink.	
Credits	**15**
Total Credits	**120-122**

College Breadth: Students should plan on using at least 15 hours of "Electives" to fulfill Option 1, 2, or 3, of the College of Arts and Sciences' breadth requirement.

Upper Level Credits: Students need 27 upper level credits throughout the degree with at least 18 upper level credits within the major. Electives may need to be selected at the 3000-4000 level to reach these minimums.

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.

Placement Exams: For Math, English, World 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: 2.0

Note: This plan provides a general guide, but your specific courses, experiences, and career goals may differ. Work with your academic advisor to ensure you're meeting degree requirements and consult with career advisors to explore internships, research opportunities, and post-graduation plans. Regular check-ins will help you stay on track and make the most of your time at UNO!