

# Early-Entry Pathway

Welcome to North Dakota State University's Early-Entry Pathways program.

## BIOLOGICAL SCIENCES EDUCATION

If you are interested in a degree in biological sciences education, you can take early-entry courses to get started on your degree. Early-entry courses listed meet the requirements or electives of this major. These courses may be used to meet your general education requirements as well. We suggest you also review the list of recommended general education courses.

### The Earth Through Time

GEOL 106 | 3 credits  
General Education Category: S

Introduction to the Earth through time; its origin, history, and evolution of animal and plant life.

### General Chemistry I

CHEM 121 | 3 credits  
General Education Category: S

### General Chemistry I Lab

CHEM 121L | 1 credit  
General Education Category: S

Matter, measurement, atoms, ions, molecules, reactions, chemical calculations, thermochemistry, bonding, molecular geometry, periodicity, and gases. Prereq or Co-req: MATH 103, MATH 107 or Math placement.

### General Chemistry II

CHEM 122 | 3 credits  
General Education Category: S

Intermolecular forces, liquids, solids, kinetics, equilibria, acids and bases, solution chemistry, precipitation, thermodynamics, and electrochemistry. Prereq: CHEM 121.

### Human Anatomy & Physiology I

BIOL 220 | 3 credits  
General Education Category: S

An in-depth introduction to structure and function of human organ systems' cells, tissues, the integumentary system, the skeletal system, joints, muscle and muscular system, nervous tissue and nervous system, and the special senses.

### Human Anatomy & Physiology II

BIOL 221 | 3 credits  
General Education Category: Does not meet NDSU's general education requirements.

A continuation of BIOL 220, 220L; the endocrine, cardiovascular, lymphatic, immune, respiratory, digestive, urinary, and reproductive systems and development. Prereq: BIOL 220.

### Introduction to Meteorology & Climatology

SOIL 217 | 3 credits  
General Education Category: S

Basic meteorology-climatology concepts and their application; includes energy balance, greenhouse effect, temperature, pressure systems, lows, highs, fronts, winds, clouds, storms, humidity, precipitation, and measurements. Lectures, discussions, demonstrations.

### Introductory Statistics

STATS 330 | 3 credits  
General Education Category: Does not meet NDSU's general education requirements.

Frequency tables, histograms, probability, well-known probability distributions, one and two sample tests of hypotheses, confidence intervals, and contingency tables. Prereq: Algebra 2, MATH 103, MATH 104, MATH 107 OR placement into MATH 105, MATH 146, MATH 165.

## NOTES

View all pathway guides & a general education guide at >>  
[bit.ly/EE\\_pathways\\_guides](https://bit.ly/EE_pathways_guides).

## Trigonometry

MATH 105 | 3 credits  
Category: Does not meet NDSU's general education requirements.

Angle measure, trigonometric and inverse trigonometric functions, trigonometric identities and equations, polar coordinates and applications. Prereq: MATH 103 or placement. Credit awarded only for MATH 105 or MATH 107, not both.

## College Composition I

ENGL 110 | 3 credits  
General Education Category: C

Guided practice in the reading and writing of various genres for different situations and audiences. Includes research on the web and in the library. Prereq: English placement.

## College Composition II

ENGL 120 | 3 credits  
General Education Category: C

Advanced practice in reading and writing of various genres for different situations and audiences. Includes field research, collaboration, and visual communication. Prereq: ENGL 110 or placement.

## Fundamentals of Public Speaking

COMM 110 | 3 credits  
General Education Category: C

Theory and practice of public speaking with emphasis on content, organization, language, delivery, and critical evaluation of messages.

## NOTES

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