# Early-Entry Pathway

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

## AGRICULTURAL EDUCATION

If you are interested in a degree in agricultural 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.

### Concepts of Biology
BIOL 111 | 3 credits
General Education Category: S

Introduction to a wide range of biological topics, from the organism, ecology, and evolution to the cell, molecular biology, and genetics. For credit as a lecture/lab pair, students should take BIOL 100L as a co-requisite.

### Non-Majors Biology Lab
BIOL 100L | 1 credit
General Education Category: S

Laboratory experience to introduce the application of the scientific method across a wide scale of biological topics, including molecular biology, the organism, evolution, & ecology. Co-req: BIOL 111 or BIOL 124 or BIOL 126.

### Introductory Statistics
STATS 330 | 3 credits
General Education Category: Does not meet NDSU's g eneral 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 or MATH 107 or Math placement into MATH 105, MATH 146 or MATH 165.

### 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.

### 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.

### Principles of Macroeconomics
ECON 202 | 3 credits
General Education Category: B

Aggregate income and employment analysis; business cycles, unemployment, inflation and economic growth; fiscal policy; money and monetary policy; the U.S. economy and the world economy.

### Principles of Microeconomics
ECON 201 | 3 credits
General Education Category: B

Nature, method, and scope of economic analysis; economic scarcity, resources, specialization of labor; supply-demand analysis; production and cost analysis; product and resource market structures; distribution of income; international trade.

## Environmental Science
BIOL 124 | 3 credits
Category: G & S

Ecological principles related to human cultures, resource use, and environmental alterations. For credit as a lecture/lab pair, students should take BIOL 100L as a co-requisite.

## Introduction to Agricultural Management
AGEC 242 | 3 credits
General Education Category: Does not meet NDSU's general education requirements.

Economic and managerial concepts related to farm or agribusiness production process, development of cost data, enterprise analysis, organization and management of production inputs.

## Introduction to Precision Agriculture
PAG 115 | 2 credits
General Education Category: Does not meet NDSU's general education requirements.

Principles of precision agriculture, crop/livestock production in precision ag., GIS, GPS, sensors, drones, data acquisition & management, and remote sensing. Prereq: MATH 103.

**NOTES**

**NDSU** | CONTINUED LEARNING