

# Early-Entry Pathway

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

## ANIMAL SCIENCE

If you are interested in a degree in animal science, you can take early-entry courses to get started on this 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.

### 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.

### College Algebra

MATH 103 | 3 credits  
General Education Category: Does not meet NDSU's general education requirements.

Relations and functions, equations and inequalities, complex numbers; polynomial, rational, exponential and logarithmic functions; systems of equations, and matrices. Prereq: MATH 98 with a grade of C or higher or placement.

### Trigonometry

MATH 105 | 3 credits  
General Education 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.

### 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.

### 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.

## ANIMAL PRODUCTION, MANAGEMENT, & HUSBANDRY OPTION

### 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.

### 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, and ecology. This lab may be taken as a co-requisite with BIOL 111, BIOL 124 or BIOL 126. Co-req: BIOL 111 or BIOL 124 or BIOL 126.

### 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.

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

## ANIMAL AGRIBUSINESS OPTION

### Fundamentals of Accounting

ACCT 102 | 3 credits  
General Education Category: Does not meet NDSU's general education requirements.

Introduces financial statements and other accounting information to make personal and business decisions. Not available to majors and accounting minors in the College of Business Administration. Student may not have previously passed or be concurrently enrolled in ACCT 201.

### 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.

### Concepts of Biology

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General Education Category: S

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### 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.

### 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.

## LIVESTOCK MEDIA OPTION

### 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.

### 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.

### 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.

## MEAT SCIENCE OPTION

### Introduction to Food Science and Technology

CFS 210 | 3 credits  
Instructor: Dr. Anuradha Vegi  
General Education Category: S

Overview of food components, food quality, nutrition, processing, packaging, safety, sanitation laws, sensory evaluation, distribution, and utilization.

### 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, and ecology. Co-req: BIOL 111 or BIOL 124 or BIOL 126.

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