Natural Sciences

Area

39 credits
Bachelor of Science

The Natural Sciences Area option allows students to meet their individual education needs by developing a major based on courses from several departments within the Natural Sciences Division.

The selection of courses should reflect a theme or program that is developed in consultation with an Academic Advisor.

Core Requirements

12 courses - 36 credits

To satisfy the requirements for a Natural Sciences Area major, students select one department in which they take five to six courses (15-18 credits) and two other departments in which they take three to four courses (8-12 credits) each for a minimum total of 36 credits. An example of a program of studies for a student who chose Chemistry as the major department and Biological Sciences and Mathematics as the minor departments is shown below.

Chemistry

CHEM 0250 Introductory Analytical Chemistry
CHEM 0260 Introductory Analytical Chemistry Laboratory
CHEM 0310 Organic Chemistry 1
CHEM 0320 Organic Chemistry 2
CHEM 0330 Organic Chemistry 1 Lab
CHEM 0340 Organic Chemistry 2 Lab
CHEM 1250 Instrumental Analysis
CHEM 1255 Instrumental Analysis Laboratory

Biological Sciences

BIOSC 0070 Foundations of Biology 1 Lab
BIOSC 0170 Foundations of Biology 1
BIOSC 0080 Foundations of Biology 2 Lab
BIOSC 0180 Foundations of Biology

Mathematics

MATH 0220 Analytic Geometry and Calculus 1
MATH 0230 Analytic Geometry and Calculus 2
MATH 0400 Discrete Mathematical Structures

Additional Requirements

1 or 2 courses - 3 to 5 credits

After earning 90 credits, all Natural Sciences Area majors must take the research course(s) offered in their major area of concentration to fulfill the capstone course requirement.