

# Natural Science

MAJOR @ VITERBO UNIVERSITY



10/10

## Overview

Viterbo's natural science curriculum offers a flexible program with a broad-based background in biology, chemistry, environmental science, and physics. Students have the option of pursuing a natural science degree with an emphasis in biology, chemistry, environmental science, or broad field science education. Students who complete this degree can enter careers that include, but are not limited to, science education, medicine, law, or the environment. Students with this major are eligible for graduate training at our 3+3 and 3+4 partner institutions.

## Why Viterbo?

The Viterbo University natural science program:

- features a strong interdisciplinary science department that integrates biology, chemistry, and physics.
- is located in state-of-the-art science and laboratory facilities.
- offers strong academic advising within the natural sciences division.

## Career Options *(some require advanced degrees)*

- environmental science
- environmental studies
- government studies
- health professional school
- law school
- science education

## Features of the Curriculum

- biological concepts
- earth science
- ecology/evolution
- environmental science
- general chemistry
- physics

**For More Information** [www.viterbo.edu/science](http://www.viterbo.edu/science)

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## General education requirements

See the general education section of the catalog.

## Core requirements

- General Biology 1 and 2
- Chemistry (2 semesters – Organic or Inorganic)
- Environmental Issues Seminar
- Introductory Statistics or Elements of Statistics or College Algebra
- General Physics 1 and 2 or University Physics 1 and 2
- Introduction to Research

## Natural Science requirements (choose one concentration)

- biology concentration – Cellular and Molecular Biology and Ecology and Evolution; 12 credits BIOL numbered 300 or above (not including 397); four credits CHEM numbered 200 or above (not including 397) or four credits BIOL numbered 300 or above (not including 397)
- chemistry concentration – Organic Chemistry 1 and 2 and Analytical Chemistry; eight credits CHEM numbered 300 or above (not including 397); Calculus 1 and 2
- environmental science concentration – Cellular and Molecular Biology, Ecology and Evolution, and Conservation Biology; Chemistry of the Environment, Seminar on the Environment; four credits of BIOL or CHEM numbered 300 or above (not including 397)
- broad field science teaching concentration – Cellular and Molecular Biology and Ecology and Evolution, four credits of BIOL (not including 397); Organic Chemistry 1; Seminar on the Environment; Earth Science; an astronomy course

## Broad Field Science, Early Adolescence through Adolescence, Education Major

Students interested in a broad field teaching license must complete the courses outlined under the natural science major as well as the requirements in the School of Education.

## Education Requirements

- Introduction to Education
- Educational Psychology
- Professional Issues
- Technology Enhanced Education
- Middle/Secondary Methods Content Literacy
- Middle Level Theory and Practice
- Science methods course
- Student teaching sequence completed in the final semester

**This is an unofficial course outline. For complete degree requirements, refer to the course catalog.**