

# BIOLOGY

**Biology** is the science of life and study of living organisms.

**At Alverno you can** work side-by-side with professors on research, gain inter-disciplinary skills, build confidence as a female biologist and explore real-world work opportunities before graduation.

**That's important because** today's workplace is not one-dimensional, so biologists are expected to communicate effectively, work with others collaboratively and solve problems creatively.



## What sparks your curiosity?

If you love animals and plants, being out in nature, or the excitement of scientific research, you may be a biologist at heart. Everything from DNA in the nucleus of a cell, to medicine, animal behavior or the ways humans affect the environment – it all comes back to biology.

## Biology at Alverno: Up close and personal

Other colleges may tell you about life as a biologist, but at Alverno, you'll experience it firsthand. You'll work alongside professors who will personally guide you through rigorous coursework, provide opportunities to participate with industry conferences and expose you to meaningful co-curricular activities. Not only that, you'll graduate with a semester-long internship, meaning you'll have real-world experience even before your diploma is in-hand.

## That's just the start!

What really sets Alverno's Biology program apart is a program that's reflective of the world in which you'll work. Professionals in the field are required to communicate effectively, think critically and problem-solve easily – all skills students master as a result of Alverno's world-renowned abilities-based curriculum.

## Make an impact

Women are often underrepresented in biology: Are you ready to change that? It can be hard for a woman to find her voice in this male-dominated industry, but our curriculum is specifically designed to help you build confidence as a female leader in the field of biology.

## WHERE CAN A BIOLOGY DEGREE TAKE YOU...

FIELD ECOLOGIST  
BIOLOGIST

LABORATORY MANAGER  
NATURAL RESERVE MANAGER

PHYSICIAN

LABORATORY TECHNICIAN  
WILDLIFE BIOLOGIST

NUTRITIONIST

ZOOKEEPER

MEDICAL LIBRARIAN

EDUCATOR

FOOD SCIENTIST

EXERCISE PHYSIOLOGIST

GENETIC COUNSELOR

BIO-ENGINEER

BEHAVIORAL ECOLOGIST

## SAMPLE CURRICULUM

### FRESHMAN YEAR

Integrated Communication Seminar 1 & 2

Introduction to the Arts

Expressions and Interpretations of Human Experience

Mathematical Connections

General Psychology

Pre-Professional Seminar

Foundations of Natural Science 1 & 2

Small Group Behavior

### SOPHOMORE YEAR

Biology of Plants or  
Biology of Animals

Human Anatomy and Physiology

Microbiology

Organic Chemistry 1 or  
Analytical Chemistry/Quantitative

Analysis or  
Chemistry of Inorganic Materials

Probability and Statistics

Integrated Communication Seminar 3

Two Humanities and Fine Arts courses

Introduction to Social Science

### JUNIOR YEAR

Internship Seminar

General Physics 1 & 2

Cellular Biology

Ecology

Genetics

Citizenship in a Global Community –  
1 course

Humanities and Fine Arts – 2 courses

### SENIOR YEAR

Senior Science Seminar

Biology Electives

## Internships for the new biologist

Alverno has partnerships with more than 2,000 worksites, so you'll have a better chance at connecting with a site that meets your career goals. Your internship enhances everything learned in class, giving you the hands-on experience of a working biologist. Plus, you'll make important career connections with local professionals. Thanks to the career-ready skills they learn in class, Alverno interns are in high demand and stand out among their peers.

## How you can use your degree

Many Alverno biology graduates go on to medical, dental, veterinary and graduate school, while others begin their careers right away in research, industry or teaching. No matter what you choose to pursue after graduation, you'll be in the perfect position to lead the way.

## What's the benefit of face-time with faculty?

Not only are you learning directly from professors who have the highest degree in their field, but you're also gaining experience and confidence interacting with industry professionals. Professors in Alverno's Biology department maintain close partnerships with highly regarded institutions like the Medical College of Wisconsin and Georgia Institute of Technology, so you're never short of professional networking.

## GET IN TOUCH!

Have questions about studying Biology at Alverno?

We invite you to connect with faculty to learn more.

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