

BIOMEDICAL SCIENCE (BISC) MAJOR

Biomedical science major is the perfect foundation if you're aspiring to medical school, dental school, veterinary school, or biomedical research. It allows you to combine coursework required for graduate, medical and other professional health schools in a flexible and efficient four-year program.

Stellar science training

You'll master the essential toolkit of the professional scientist: how to communicate effectively about scientific phenomena, analyze data, apply frameworks from various fields of science, and solve problems through scientific investigation with accuracy and safety. The biomedical emphasis in this major – through courses such as Human Anatomy and Physiology, Microbiology and Biochemistry – will also help prepare you for the Medical College Admission Test or other work in the health field.

The support you need to succeed

Alverno's student-to-faculty ratio and small class sizes will allow you to perform your best. If you plan to go to medical school or another professional health school, Alverno's Pre-Health program offers seminars, personalized advising, peer support and other resources to help make you a competitive candidate.

Get involved

Looking for more experiences to bolster your resume? Join one of Alverno's dozens of student organizations – including Pre-Professional Women of Alverno – to practice your leadership skills and connect with other students. You can put your science skills to use (while getting paid) as a lab assistant, a tutor in the Daniel M. Soref Science and Mathematics Resource Center or a mentor to high school students through Alverno's Girls' Academy of Science & Mathematics. You might also participate in faculty-student research through the Center for Academic Excellence or travel to professional conferences.

Internships for the Biomedical Sciences student

Alverno's Internship Office, which is connected to many partner sites, can help you find the right opportunity to advance your goals. Past internships sites have included the Medical College of Wisconsin, the Milwaukee County Health Department, Sigma Aldrich, the Water Technology Accelerator at the Global Water Center, and the Milwaukee County Zoo.

How you can use your degree

Many students will move on to graduate, medical or other professional health schools. Alverno graduates have gone on to study at the Medical College of Wisconsin, University of Wisconsin-Madison, University of Wisconsin-Milwaukee, Marquette University, University of Minnesota and Butler University, among other schools. Other students choose to go straight into the workforce in research, industry or teaching.

PH-231 & 231L	Algebra-Based Physics I and Physics Lab	4
Science Courses		
BI-221 or BI-222 & 222L	Biology of Plants Biology of Animals and Biology of Animals Lab	4
BI-233 & 233L	Human Anatomy & Physiology 1 and Human Anatomy & Physiology 1 Lab	4
BI-251 & 251L	Microbiology and Microbiology Lab	4
BI-325 & 325L or BI-361 & 361L	Cellular Biology and Cellular Biology Lab Genetics Lecture and Genetics Lab	4
BI-328 & 328L or CH-328 & 328L	Biochemistry and Biochemistry Lab Biochemistry and Biochemistry - Lab	4
BI-374	BI Assessment in Effective Citizenship	1
BI-399	Formal Introduction to Advanced Work	0
BI-491	Senior Environmental Seminar	3
CH-221 & 221L	Organic Chemistry 1 and Organic Chemistry 1 - Lab	4
CH-234 & 234L	Analytical Chemistry/Quantitative Analysis and Analytical Chem-Quant Analysis Lab	4
CH-322 & 322L	Organic Chemistry 2 and Organic Chemistry 2 Lab	4
SC Elective	Biology (BI), Chemistry (CH), Environmental (ENV), 5-7 or Math (MT), 300 or 400 level	5-7
Additional Requirements		
INTERN-383	Internship Seminar	2
Total Credits		56-58

Requirements

Code	Title	Credits
Math/Physics Courses		
MT-123	College Algebra	3
MT-124	Trigonometry	2
CH-213 & 213L	Chemistry of Bioorganic Molecules and Chemistry of Bioorganic Molecules Lab	4