

Programs

Biology, B.S.

(49 - 52 credits)

The Bachelor of Science in Biology, under the Department of Biology, Chemistry and Mathematics, is designed to provide preparation for biology-related careers and graduate programs including medicine, veterinary medicine, dentistry and research.

In both the classroom setting and the laboratory, students interact directly with faculty, taking advantage of our small student to faculty ratio. The biology major offers students opportunities to develop practical skills through required participation in research and/or career-related internship experiences.

This major meets the Connecticut State Department of Education requirements for those students enrolled in the initial teacher preparation program at Albertus Magnus College and are seeking a secondary level teacher certification with a biology or general science endorsement or middle level teacher certification with a general science endorsement. Contact the Department of Education and Teacher Preparation for additional information.

Upon completing the program of study in Biology, students will demonstrate:

- Competence in biology content and laboratory techniques.
- Written and oral communication skills.
- Information literacy skills.
- Proficiency in quantitative analysis.
- Critical thinking skills.
- Application of the scientific method and experimental design.

MAJOR REQUIREMENTS

REQUIRED CORE (41 credits)

BI 111	General Biology I
BI 111L	General Biology I Laboratory
BI 112	General Biology II
BI 112L	General Biology II Laboratory
BI 216	Cell Biology
BI 216L	Cell Biology Laboratory
BI 310	Genetics
BI 310L	Genetics Laboratory

CH 121	General Chemistry I
CH 121L	General Chemistry I Laboratory
CH 122	General Chemistry II
CH 122L	General Chemistry II Laboratory
CH 221W	Organic Chemistry I
CH 221L	Organic Chemistry I Laboratory
CH 222	Organic Chemistry II
CH 222L	Organic Chemistry II Laboratory
SC 131	General Physics I
SC 131L	General Physics I Laboratory
SC 132	General Physics II
SC 132L	General Physics II Laboratory
SC 351	Senior Science Seminar I

REQUIRED CORRELATIVES (credits vary)

CH 324	Biochemistry
CH 324L	Biochemistry Laboratory
SC 302	Practicum/Internship

Select one (3–4 credits):

MA 120	Pre-Calculus
MA 121	Calculus I