



Biology

(Bachelor of Arts)

at Benedictine University

The Department of Biological Sciences offers a Bachelor of Arts (B.A.) and a Bachelor of Science (B.S.) in Biology. The B.A. in Biology is intended for students who have an interest in science, particularly biology, and wish to integrate the sciences more fully into the arts and humanities curriculum.

You should pursue the B.S. in Biology or B.S. in Health Science if you are planning to study biology in preparation for admission to medical school, pharmacy, dental or other health-related professional schools, master's or doctoral programs in the medicinal sciences, or if you plan to become a teacher at a secondary education level.

What is biology?

Biology is the study of living organisms. It is a broad-based science, one that has areas of specialization for almost anyone interested in science. From the structure and function of molecules and the remarkable interaction of plants and animals within their environment to animal behavior and toxicology, Biology is an excellent major to pursue if you have an inquisitive mind, are interested in science and enjoy hard work. Biologists use mathematics and their knowledge of physical and chemical sciences as tools to study living things. They routinely work cooperatively and need to possess good communication skills to present their ideas to others.

How do I know if the B.A. in Biology is right for me?

- You want to broaden your study of biology in an interdisciplinary program which bridges the biological and physical sciences with the social sciences, arts and humanities.
- You want a strong background in the biological sciences, but you want to pursue a career in nursing, law, environmental policy, pharmaceutical sales or other jobs related to biology.

What are the requirements for this degree?

Chemistry: one year of general chemistry and one semester of organic and biochemistry.

Physics: one semester of college physics.

Mathematics: proficiency in trigonometry.

Biology: one year of the principles of biology and then a well-rounded course selection that includes organismal and systems courses, genetics, evolution or physical anthropology, environmental science and a choice of upper-level biology electives

Science-Humanities core: selection of three courses from science and the humanities, philosophy of science, ethics, or science and religion.

Foreign language: one year or proficiency at the 200 level.

Interdisciplinary project: a major scholarly paper that integrates biology and the humanities.

What can you do with a B.A. in Biology?

The B.A. in Biology is intended for students who are interested in science and interdisciplinary studies but do not plan to attend medical or dental school. The B.A. in Biology is a good major for nursing, occupational therapy or those who want a versatile university degree in preparation for careers in business or entry into law school..

Recommended Program

Bachelor of Arts in Biology

FRESHMAN

Writing Colloquium	3
College Trigonometry	3
General Chemistry I and Lab	4
Principles of Organismal Biology	3
Elective	3
	16

Research Writing	3
Elective	3
General Chemistry II and Lab	4
Principles of Biology and Lab	4
	14

JUNIOR

Electives	12
Environmental Science	3
	15

Electives	9
Systems Biology course	3-4
Biology elective	3-4
	15-17

*One upper-level biology lab is required.

SOPHOMORE

Basic Speech	3
Modern Language I	3
Introduction to Organic Chemistry and Biochemistry	4
Genetics	3
Elective	3
	16

Catholic and Benedictine Intellectual Traditions (IDS 201)	3
Modern Language II	3
Physical Science	3-4
Organismal Biology course	3-4
Elective	3
	15-17

SENIOR

Human Dignity and the Common Good (IDS 301)	3
Physical Anthropology or 300-level Biology elective	3
Elective	3
300-level Arts and Humanities elective	3
Interdisciplinary Project	1
	13

Evolution or 300-level Biology elective	3
Biology elective*	3-4
Electives	9
	15-16

Demonstrate your social conscience with a certificate in Environmental Studies.

Students with an interest in the environment can earn a certificate in Environmental Studies by successfully completing at least 12 semester credit hours of specific environmental-focused courses from the anthropology, biochemistry, biology, environmental science, geography, global studies, humanities, literature, management, natural science, philosophy, political science, religious studies, sociology and theology disciplines. Students will learn about the scientific, humanistic, educational and business aspects of sustainability.