

Biological Sciences

Why should I major in Biological Sciences?

If you enjoy science and are particularly interested in living organisms and their relationship to the environment, you will like working in the field of biology. Many biological scientists work in research and development, conducting basic research to increase our knowledge of living organisms, including animals, plants and bacteria. Other biologists work in applied research, where they are responsible for developing new medicines, increasing crop yields and improving our environment.

Iowa Western's biological sciences program will give you a strong foundation in biological principles, cellular structure and functions, reproduction, heredity and ecosystems. You'll benefit from small classes, caring instructors and will receive personalized attention in lectures and labs.



What type of degree will I earn at Iowa Western if I enroll in this program?

Graduates of our two-year biological sciences program of study earn an Associate of Science (AS) degree.

If I major in Biological Sciences, can I transfer to a four-year college or university?

This program of study is designed to transfer to a four-year degree granting institution. By earning an AS degree in biological sciences, you will be able to apply your credits toward a similar program at another institution and earn a bachelor's degree.

What is the job outlook for Biological Sciences graduates and what type of jobs will I be qualified for?

The field for trained biologists continues to grow although jobseekers can expect to face considerable competition for available jobs. The government at the federal, state and local levels employs a number of biologists and it is anticipated that more will be needed as additional research is conducted on health issues such as gerontology, AIDS and cancer. Other job opportunities available for biology graduates include working as research assistants in laboratories, hospitals, and pharmaceutical companies and biotechnological fields. Graduates can also pursue employment in technical sales, food inspection and quality control, or can go into teaching at the high school level. In general, a minimum of a bachelor's degree is necessary to find employment in the field. Advanced degrees such as a master's degree or Ph.D. are necessary to be considered for certain research positions. A number of biology majors continue their education in health professional schools, becoming doctors, dentists, veterinarians and other types of allied health care providers. The salary you can expect to earn after completing your education will vary based upon the type of position you accept.

Program of Study

The Biological Sciences program of study provides a background in various areas of the life sciences. This program is intended for students who plan to transfer and study biological sciences at four-year institutions. Some areas of opportunity for graduates having this major and a baccalaureate degree include medicine, the allied health fields, science education, wildlife conservation, forestry, soil conservation, fishery management, and many others. Graduates of this program are awarded an Associate of Science (A.S.) degree.

RECOMMENDED COURSE SEQUENCE

First Semester		Cr.
ENG 105	Composition I	3
BIO 112	*General Biology I	4
CHM 166	General Chemistry I	5
	Social Science Elective	3
	A.S. Mathematics Requirement (MAT 121 - 227)	3-4
		19-20
Second Semester		Cr.
ENG 106	Composition II	3
BIO 113	*General Biology II	4
CHM 176	General Chemistry II	5
	Humanities Elective	3
		15
Third Semester		Cr.
SPC 112	Public Speaking	3
BIO 168	Human Anatomy & Physiology I with Labs <u>OR</u>	4
ENV 111	Environmental Science	3
	Humanities/Social Science Elective	4
	General Elective	4
		14
Fourth Semester		Cr.
BIO 173	Human Anatomy and Physiology II with Labs <u>OR</u>	4
BIO 186	Microbiology	4
	Biology Elective	4
	Social Science Elective	3
	Humanities/Social Science Electives	6
		17

*Required courses for the program

One elective must also satisfy the diversity requirement.

64 semester hours required

**For More Information,
contact the Admissions Office:
712.325.3277 or 800.432.5852, ext. 3277
www.iwcc.edu**