

Biology Education (404)

ASSOCIATE OF SCIENCE

About Our Program

This program is intended to provide the first two years of a 4-year baccalaureate program. This program studies the science of life and life processes by investigating the origin, evolution, ecology, structure, distribution, and reproductive functions of plants and animals. Biology Education majors intend to teach, usually at the secondary level.

Program Outcomes

- Students should be able to understand and employ aspects of scientific methodologies.
- Students should practice proper lab technique in compliance with relevant safety standards.
- Students should understand the fundamental uncertainties in experimental measurements inherent in different laboratory techniques and instrumentation.
- Students should be able to analyze data sets and communicate information in a clear and organized manner with presentations and properly cited written reports.
- Students should utilize peer-reviewed scientific literature effectively.
- Students should be able to work with peers in a team setting.
- Students should be able to relate contemporary societal and global issues to the physical and life sciences.

Nature of Work and Employment

The three most common jobs entered into after completion of their Bachelor's degree in this major are secondary teacher, biological technician, and health technician.

Special Considerations

Students considering this major should have a strong interest in nature, science, animals, and people. This career area requires the ability to collect and analyze data. The listed coursework is a recommendation only. Students should check with a student advisor for HCC graduation requirements, and specific university requirements in this major. Students must meet with an advisor to ensure that the special requirements of the department and institution to which they plan to transfer are met.

Program Contacts

Call Highland at 815-235-6121 for the following program contacts:

- Dr. Brendan Dutmer, Dean, Natural Science and Mathematics
- Karla Giuffre, Biology Faculty
- Tony Grahame, Biology Faculty
- Juliet Moderow, Biology Faculty
- Alan Nowicki, Biology Faculty
- Beth Groshans, Student Advisor

Recommended Courses

The following are recommended courses for this major only. Students must still meet all requirements for the Associate of Science degree (see page 58) in order to graduate from Highland Community College. For more information, please see your student advisor.

Biology

*	BIOL	208	Biology I: Cell & Molecular Biology	4
*	BIOL	209	Biology II: Biodiversity, Evolution & Ecology	4

Chemistry

*	CHEM	123	General College Chemistry I	5
*	CHEM	124	General College Chemistry II	5
*	CHEM	221	Organic Chemistry I	4
*	CHEM	222	Organic Chemistry II	4

Education

	EDUC	224	Introduction to Special Education	3
			and	
	EDUC	221	The American Public School	
			-or-	3
	EDUC	222	Education as an Agent for Change	

Physics

*	PHYS	141	Introductory Physics I	4
*	PHYS	142	Introductory Physics II	4
			-or-	
*	PHYS	143	General Physics I	4
*	PHYS	144	General Physics II	4

Psychology

*	PSY	161	Introduction to Psychology	3
*	PSY	261	Educational Psychology	3

* Course has a prerequisite. See course description.