

BIOLOGY PATHWAY, A.S.

School of Science, Technology, Engineering & Mathematics

The Associate of Science degree in Biology introduces students to fundamental principles so that students will leave GHC's courses with a thorough understanding of the scientific method and its implementation, major biological processes, laboratory skills, field-based skills, and the technical experience required to be successful in any number of career or educational pathways. This degree pathway prepares students for careers and/or further degree opportunities in agriculture, biology, environmental science, research, education, medicine, and many other related/technical fields or continue towards a Bachelor of Science in Environmental and Natural Resources at GHC.

To qualify for graduation, students must meet all graduation requirements (<http://catalog.highlands.edu/academic-information/#graduationrequirements>).

Code	Title	Hours	Completed
A. Essential Skills			
ENGL 1101	English Composition I	3	_____
ENGL 1102	English Composition II	3	_____
Select one of the following or a mathematics course for which one of the following is a prerequisite:		3	_____
MATH 1113	Precalculus		_____
B. Institutional Options			
COMM 1100	Human Communication	2-3	_____
or COMM 1110 Public Speaking			_____
Select one of the following:		2	_____
GHHU 2901	Special Topics: Humanities		_____
GHMA 2901	Special Topics: Mathematics		_____
GHSC 2901	Special Topics: Science		_____
GHSS 2901	Special Topics: Social Science		_____
C. Humanities/Fine Arts			
Select one of the following:		3	_____
ENGL 2111	World Literature I		_____
ENGL 2112	World Literature II		_____
ENGL 2121	British Literature I		_____
ENGL 2122	British Literature II		_____
ENGL 2131	American Literature I		_____
ENGL 2132	American Literature II		_____
ENGL 2135	Latino Literature		_____
ENGL 2140	African-American Literature		_____

Select one of the following:		3	_____
ARTS 1100	Art Appreciation		_____
ARTS 1111	Art History to Renaissance		_____
ARTS 1112	Art History Renaissance to Pre		_____
ENGL 2010	Humanities in Drama		_____
ENGL 2111	World Literature I		_____
ENGL 2112	World Literature II		_____
ENGL 2121	British Literature I		_____
ENGL 2122	British Literature II		_____
ENGL 2131	American Literature I		_____
ENGL 2132	American Literature II		_____
ENGL 2135	Latino Literature		_____
ENGL 2140	African-American Literature		_____
FILM 1100	Film Appreciation		_____
FILM 2700	History of Motion Pictures		_____
HUMS 2011	Studies In Humanities		_____
MUSC 1100	Music Appreciation		_____
PHIL 2010	Introduction to Philosophy		_____
RELI 1116	Intro to Religion		_____
SPAN 1001	Elementary Spanish I		_____
SPAN 1002	Elementary Spanish II		_____
SPAN 2001	Intermediate Spanish I		_____
SPAN 2001	Intermediate Spanish I		_____
SPAN 2002	Intermediate Spanish II		_____
THEA 1100	Theater Appreciation		_____

D. Science, Mathematics, and Technology			
Select one of the following two-course science sequences:		8	_____
BIOL 1107K & BIOL 1108K	Principles of Biology I and Principles of Biology II		_____

CHEM 1211 & 1211L & CHEM 1212 & CHEM 1212L	Principles of Chemistry I and Principles of Chemistry I Lab and Principles of Chemistry II and Principles of Chemistry II Lab (Strongly Recommended)	_____
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PHYS 1111K & PHYS 1112K	Introductory Physics I and Introductory Physics II	_____
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PHYS 2211K & PHYS 2212K	Principles of Physics I and Principles of Physics II	_____
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Select one of the following: 3-4 _____

CSCI 1301	Computer Science I	_____
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MATH 2261	Calculus I	_____
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MATH 2262	Calculus II	_____
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MATH 2040	Applied Calculus	_____
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STAT 1401	Elementary Statistics	_____
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E. Social Sciences _____

POLS 1101	American Government	3 _____
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HIST 2111	American History I	3 _____
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or HIST 2112	American History II	_____
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Select one of the following: 3 _____

HIST 1111	World Civilization to 1500	_____
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HIST 1112	World Civ Since 1500	_____
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HIST 1121	Western Civilization I	_____
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HIST 1122	Western Civilization II	_____
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Select one of the following: 3 _____

ECON 2105	Principles of Macroeconomics	_____
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HIST 1111	World Civilization to 1500	_____
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HIST 1112	World Civ Since 1500	_____
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HIST 1121	Western Civilization I	_____
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HIST 1122	Western Civilization II	_____
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HIST 2111	American History I	_____
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HIST 2112	American History II	_____
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HIST 2154	Minorities in U.S. History	_____
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HIST 2400	Economic History	_____
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POLS 2401	Intro to Global Issues	_____
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POLS 2501	Intro to Domestic Issues	_____
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PSYC 1101	Intro to General Psychology	_____
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RELI 1116	Intro to Religion	_____
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SOCI 1101	Introductory Sociology	_____
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SOCI 1160	Intro to Social Problems	_____
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F. Courses Related to the Pathway _____

BIOL 1107K & BIOL 1108K	Principles of Biology I and Principles of Biology II ¹	8 _____
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CHEM 1211 & 1211L & CHEM 1212 & CHEM 1212L	Principles of Chemistry I and Principles of Chemistry I Lab and Principles of Chemistry II and Principles of Chemistry II Lab ¹	8 _____
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Select from the following to complete eighteen hours: 2-4 _____

BIOL 2154K	General Zoology	_____
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BIOL 2180	Directed Study/ Biological Sci	_____
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BIOL 2700K	Genetics	_____
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CHEM 2401K	Fund. Organic Chemistry I	_____
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CHEM 2402K	Fund. Organic Chemistry II	_____
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CSCI 1301	Computer Science I	_____
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STAT 1401	Elementary Statistics	_____
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STAT 2401	Elementary Statistics II	_____
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MATH 2261	Calculus I	_____
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MATH 2262	Calculus II	_____
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PHYS 1111K	Introductory Physics I	_____
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PHYS 1112K	Introductory Physics II	_____
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PHYS 2211K	Principles of Physics I	_____
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PHYS 2212K	Principles of Physics II	_____
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Area D Excess _____

Institutional Requirements Outside the Core _____

PHED 1010	Concepts of Fitness/Health	2	_____
Additional 2 credit hours of physical education		2	_____
Total Hours		65-66	_____

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Required if not taken in Area D

The student in the biology pathway should consult an academic advisor to coordinate selection of courses in mathematics and science in areas A & D as well as the social science course selection in area E. Specific course selections must be made in order to satisfy degree requirements. The academic advisor will provide this information for the student.