

# AGRICULTURE PATHWAY, A.S.

School of Science, Technology, Engineering & Mathematics

The Associate of Science degree in Agriculture introduces students to fundamental principles underlying the field of agriculture. Students will gain foundational knowledge in Biology, Chemistry, and Geology, which will provide the groundwork for future studies in agriculture. This degree pathway prepares students to succeed in a bachelor's degree program in agriculture or various agriculture-related 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
<b>A. Essential Skills</b>			
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>B. Institutional Options</b>			
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		_____
<b>C. Humanities/Fine Arts</b>			
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	_____
<b>D. Science, Mathematics, and Technology</b>		
Select one two-course science sequence from the following:		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	_____
PHYS 1111K & PHYS 1112K	Introductory Physics I and Introductory Physics II	_____
PHYS 2211K & PHYS 2212K	Principles of Physics I and Principles of Physics II	_____
Select one of the following:		3-4 _____
CSCI 1301	Computer Science I	_____
MATH 2261	Calculus I	_____
MATH 2262	Calculus II	_____
STAT 1401	Elementary Statistics	_____
<b>E. Social Sciences</b> _____		
POLS 1101	American Government	3 _____
HIST 2111	American History I	3 _____
or HIST 2112	American History II	_____
Select one of the following:		3 _____
HIST 1111	World Civilization to 1500	_____
HIST 1112	World Civ Since 1500	_____
HIST 1121	Western Civilization I	_____
HIST 1122	Western Civilization II	_____
Select one of the following:		3 _____
ECON 2105	Principles of Macroeconomics	_____
HIST 1111	World Civilization to 1500	_____
HIST 1112	World Civ Since 1500	_____
HIST 1121	Western Civilization I	_____
HIST 1122	Western Civilization II	_____
HIST 2111	American History I	_____
HIST 2112	American History II	_____
HIST 2154	Minorities in U.S. History	_____
HIST 2400	Economic History	_____

POLS 2401	Intro to Global Issues	_____
POLS 2501	Intro to Domestic Issues	_____
PSYC 1101	Intro to General Psychology	_____
RELI 1116	Intro to Religion	_____
SOCI 1101	Introductory Sociology	_____
SOCI 1160	Intro to Social Problems	_____

**F. Courses Related to the Pathway** \_\_\_\_\_

BIOL 1107K & BIOL 1108K	Principles of Biology I and Principles of Biology II <sup>1</sup>	8 _____
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 <sup>1</sup>	8 _____

Select courses of the following to complete 18 hours: 2-4 \_\_\_\_\_

CHEM 2401K	Fund. Organic Chemistry I	_____
GEOL 1121K	Physical Geology	_____
GEOL 1122K	Historical Geology	_____
PHYS 1111K	Introductory Physics I	_____
PHYS 2211K	Principles of Physics I	_____
MATH 2040	Applied Calculus	_____
MATH 2261	Calculus I	_____
STAT 1401	Elementary Statistics	_____
STAT 2401	Elementary Statistics II	_____

Area D Excess \_\_\_\_\_

**Institutional Requirements Outside the Core** \_\_\_\_\_

PHED 1010	Concepts of Fitness/Health	2 _____
Additional two credit hours of physical education		2 _____

**Total Hours** 64-66 \_\_\_\_\_

<sup>1</sup>

Required if not taken in Area D

**Students in science pathways should consult an advisor to coordinate Area D course selections with Area F requirements. In some pathways, students who accumulate 11 hours in Area D may elect to take four hours**

in Area B. In some pathways, students who accumulate excess hours in Area D may apply one to two hours to Area F.

Several different majors within the field of agriculture are offered at senior-level institutions. Since desirable course selections in Area F vary among these majors, students should be guided by their advisor in making these selections.