



Academic & Career **PATHWAYS**

Associate in Science (A.S.) **Biology Emphasis - Advising Guide**

The Associate in Science (A.S.) degree program prepares students to transfer to a four-year college or university to major in either biology or chemistry. Because requirements vary at each four-year college or university, students should check with the school they plan to transfer to or an advisor or counselor to make sure they're taking the right courses.

Semester 1		
Course	Credits	Action Items
HIST 120, HIST 121, or POLS 136 (General Education Requirement/Civics)	3	<ul style="list-style-type: none"> Meet with academic advisor to build a degree plan in starfish
BIOL 123, BIOL 104, or BIOL 106 (Program Requirement)	4 -5*	
^ENGL 101 (General Education Requirement)	3	
^MATH 120 or ^MATH 180 (Program Requirement)	3 - 5	
Total Credits	13 - 16	
Semester 2		
^ENGL 102 (General Education)	3	<ul style="list-style-type: none"> Research/contact transfer institutions
^MATH 115 (General Education Requirement – only if MATH 120 taken instead of MATH 180 in semester one)	3*	
^BIOL 124, BIOL 104, or BIOL 106 (Program Requirement)	4 – 5*	
^CHEM 111 (Program Requirement)	5	
Total Credits	12 - 16	
Semester 3 – Summer		
^CHEM 112 (Program Requirement)	5	
Total Credits	5	
Semester 4		
ENGL 214, ENGL 216, ENGL 218, ENGL 220, ENGL 221, ENGL 222, ENGL223, ENGL 240, ENGL 254, ENGL 255, ENGL 260, ENGL 262, ENGL 264, ENGL267, ENGL 268, PHIL 100, PHIL 101, PHIL 148, PHIL 200, or PHIL 203 (Humanities & Fine Arts)	3	<ul style="list-style-type: none"> Apply for admission at transfer institution Apply for scholarships at transfer institution
^CHEM 221 or ^PHYS 130 (Program Requirement)	5	
^COMM 100 (General Education Requirement)	3	
HIST 120, HIST 121, or POLS 136 (General Education Requirement)	3	
Total Credits	14	



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Semester 5

^BIOL 204, ^BIOL 208, ^BIOL 214, or ^BIOL 220C (Program Requirement)	3 – 5*	• Apply for graduation
^CHEM 222 or ^PHYS 131 (Program Requirements)	5	
(Any two electives of courses 100 level or higher)	6-10*	
Total Credits	14-20	
Credits Required	60*	
<i>*The A.S. degree requires a minimum of 60 credits to graduate. When selecting courses from multiple options, please consider the number of credits for the course in your planning</i>		

This Pathway Map is an advising tool designed for full-time students on the A.S. degree and identifies the course taking recommendations for timely degree completion. Please be aware that all pathway maps can be modified to fit the individual needs of students. Course substitutions are completely acceptable and a list of all course options for the A.S. degree can be found at <https://mcckc.edu/programs/as/>. All students are encouraged to meet with their academic advisor to develop an individualized completion plan that best meets their goals, interests, and objectives.

^Course requires a prerequisite or appropriate placement, see catalog for additional information.