

STEVENSON

U N I V E R S I T Y

Montgomery College Biology

This transfer plan is intended for students pursuing an Associate of Science, Biological Science Area of Concentration at Montgomery College who are interested in pursuing a Bachelor of Science in Biology at Stevenson University in catalog year 2019-2020. The equivalencies below demonstrate how a student can meet both the requirements of the associate degree and prepare for a seamless transfer to Stevenson. Stevenson participates in reverse transfer should students transfer after completing 15 credits at Montgomery but before completing the full associate's degree. Any student who enters Stevenson with an A.A. or A.S. degree will have completed all general education requirements. Please note:

- Only courses that have course equivalencies are displayed. This guide does not show all transferable courses from this college. It also does not display all Stevenson University courses that will fulfill a specific requirement.
- Program requirements must be completed with a grade of C or better, and general education courses must be passed with a grade of D or better.
- Transfer plans are intended to be used as planning tools. If you need additional assistance in selecting courses to take prior to transferring to Stevenson University, contact Stevenson Admissions at 443-352-4450.

	Montgomery College	Stevenson University	Credits
Associate of Science, Biological Science Area of Concentration Program Requirements	• BIOL 151 - Principles of Biology II	• BIO 115 General Biology III: Ecology and Evolution (Biology Program requirement)	4
	• CHEM 132 - Principles of Chemistry II	• CHEM 116 General Chemistry II and CHEM 116 General Chemistry II Lab, and CHEM 116S General Chemistry SoLVE (Biology Program requirement)	4
	• BIOL 222 Principles of Genetics	• BIO 230 Genetics (Biology Program requirement)	4
	<u>Program electives:</u>		
	• BIOL 252 Principles of Biology III	• BIO 114 General Biology II: Structure and Function of Organisms, and BIO 114L General Biology II Laboratory (Biology Program requirement)	4
	• CHEM 203 Organic Chemistry I	• CHEM 210 Organic Chemistry I and CHEM 210L Organic Chemistry I Lab (Biology Program requirement)	5
<i>Choose from: (total of 7 semester hours)</i>		Biology Program electives:	6/8
• BIOL 217 Ecology		• ENV 213 Ecology	
• BIOL 210 Microbiology		• BIO 203 Microbiology	
• BIOL 212 Human Anatomy and Physiology I and BIO 213 Human Anatomy and Physiology II (Must complete both BIOL 212 and BIOL 213 for credit)		• BIO 298 Human Anatomy & Physiology I and BIO 299 Human Anatomy & Physiology II transfer credit	
• BIOL 230 Molecular Cell Biology		• BIO 310 Cell Biology	
• BIOL 228 Pathophysiology		• BIO 199 TR Biology elective	
• SCIR 297 Fundamentals of Scientific Research I		• BIO 365 Laboratory Research in Biology	
		Program Requirements Total	26-28

GENERAL EDUCATION REQUIREMENTS			
English Composition	ENGL 101 - Introduction to College Writing	ENG 151: English Composition	3
	ENGL 102 Critical Reading, Writing, and Research	ENG 152: Writing about Literature	3
Arts	Arts Distribution course	<i>Fine Arts Requirement</i>	3
Communication	COMM 108 Foundations of Human Communication/112 - Business and Professional Speech Communication	<i>Communication-Intensive Requirement</i>	3
Humanities	Humanities Distribution	<i>Humanities requirement</i>	3
Natural Sciences	<ul style="list-style-type: none"> • BIOL 150 - Principles of Biology 	<ul style="list-style-type: none"> • BIO 113 General Biology I: Cell Biology and Genetics and BIO 113L General Biology I Lab (<i>Program Requirement and Lab Science Requirement</i>) 	4
	<ul style="list-style-type: none"> • CHEM 131 - Principles of Chemistry I 	<ul style="list-style-type: none"> • CHEM 115 General Chemistry I and CHEM 115L General Chemistry I Lab, and CHEM 115S General Chemistry I SoLVE (<i>Program Requirement and Lab Science Requirement</i>) 	4
Mathematics	MATH 181 Calculus I	<i>Mathematics requirement</i>	4
Behavioral and Social Sciences	<ul style="list-style-type: none"> • Behavioral and Social Science Distribution • Behavioral and Social Science Distribution 	<ul style="list-style-type: none"> • Social Science Requirement • Social Science Requirement 	6
General Education Total			33

Total credits: 59-61

Remaining Courses to be taken at Stevenson

Students who complete the plan above (including recommended courses) and earn the Associate of Science, Biological Science Area of Concentration at Montgomery College will take the following courses at Stevenson to meet the B.S. requirements. Students who transfer before completing the AS may have more general education and program requirements to take and fewer free electives.

General Education (0 credits)

Program Requirements (27-35 credits)

BIO 218 Career Connections in the Life Sciences 1 credit
 BIO 235L Diversity of Life 2 credits
 MATH 136 Statistics 4 credits
 SCI 215 Writing in the Sciences 3 credits

Senior Capstone Experience (5-9 credits)

Program Electives (12-16 credits)

One biology elective at the 200-level (3-4 credits)
 Three biology electives at the 300-400 level (9-12 credits)

Additional Requirements

General Electives: (23-32 credits if needed to reach the required 120 credits)

Total credits to be taken at Stevenson:59-60

Suggested Course Sequence

YEAR 3				
SEMESTER	FALL		SPRING	
RECOMMENDED COURSES	BIO 235L	2	BIO 218 Career Connections in the Life Sciences	1
	SCI 215 Writing in the Sciences	3	300-level Biology elective	3/4
	MATH 136	4	300-level Biology elective	3/4
	200-level Biology elective	3/4	General elective	3
	General elective	3	General elective	3
CREDITS	16-17 CREDITS		13-15 CREDITS	
YEAR 4				
SEMESTER	FALL		SPRING	
RECOMMENDED COURSES	Senior Capstone	5/9	300-level Biology elective	3/4
	General elective	3/4	General elective	3/4
	General elective	3/4	General elective	3/4
	General elective	3/4	General elective	3/4
CREDITS	14-18 CREDITS		12-16 CREDITS	