

Recommended Academic Plan for Biotechnology

Associate in
Applied Science
Degree



This plan is a suggested semester-by-semester plan. It is designed to keep you on track for a timely graduation. This plan is not a substitute for academic advising. Contact an advisor for further information regarding placement based on ACT/SAT or COMPASS exam scores, scheduling, degree requirements, and graduation requirements.

Semester 1				
Course	Credits	Prerequisite	Milestone/Notes	Completed
ENG:101 College Composition I	3			
MTH:160 College Algebra	4	MTH:140 with grade of "C" or higher		
CHM:105 General Chemistry I	5	MTH:140 OR 1-1/2 yrs. of hs algebra and CHM:101 with grade of "C" or higher OR 1 yr. of hs chemistry		
BIO:140 Principles of Biology I	4	CHM:105	Ask for override for concurrent enrollment in CHM 105 from Program Coordinator or Biology Department chair	
BIO:152 Quantitative Methods in Biotechnology	2	MTH:140 & CHM:101 OR CHM:105		
Subtotal	18			

Semester 2				
Course	Credits	Prerequisite	Milestone/Notes	Completed
GE:101 Technical Computer Applications	3			
CHM:106 General Chemistry II	5	CHM:105 & MTH:160		
BIO:104 Basic Laboratory Methods for Biotechnology	3	MTH:030 or MTH:040 with grade of "C" or higher		
COM:101 Oral Communication I	3			
*Social and Behavioral Sciences Elective that meets the MO State requirement	3			
Subtotal	17			

Semester 3				
Course	Credits	Prerequisite	Milestone/Notes	Completed
BIO:219 Biotechnology I	5	BIO:104, BIO:140, BIO:152, GE:101, all with a grade of "C" or higher		
BIO:218 Microbiology for Biotechnology	4	BIO:140, CHM:105		
*Social and Behavioral Sciences Elective	3			
PHL:109 Bio-Medical Ethics	3			
BIO:226 Advanced Topics in Biotechnology	3	BIO:219 or consent of the program coordinator or department chair	Two sections must be taken (See below in semester 4)	
Subtotal	18			

Semester 4				
Course	Credits	Prerequisite	Milestone/Notes	Completed
Physical Education Elective	2		1 credit must be an activity class	
BIO:220 Biotechnology II	5	BIO:219 or consent of the department chair or program coordinator		
BIO:226 Advanced Topics in Biotechnology	3	BIO:219	Two sections must be taken	
BIO:225 Genetics	5	BIO:140, CHM:105		
BIO:221 Workplace Learning: Biotechnology	3	Prior or concurrent enrollment in BIO:220	Apply for graduation	
Subtotal	18			

Total Hours in the Program: 71

*See Catalog for classes that will fulfill the elective requirements stlcc.edu/Admissions_and_Registration/Course_Catalog.html or the Biotechnology web page stlcc.edu/Programs/Biotechnology

Maximize your transfer credits/classes by meeting with an academic advisor.

Biotechnology AAS Quick Checklist

Courses	Credit Hours	Notes
GENERAL EDUCATION		
ENG:101 College Composition I		
MTH:160 College Algebra		
COM:101 Oral Communication		
*Social and Behavioral Sciences Elective that meets the MO State requirement		
PHL:109 Bio-Medical Ethics		
*Social and Behavioral Sciences Elective		
PHYSICAL EDUCATION 2 credit hours At least one credit must be an activity		
REQUIRED COURSES		
CHM:105 General Chemistry I		
CHM:106 General Chemistry II		
BIO:104 Basic Laboratory Methods		
BIO:140 Principles of Biology I		
BIO:152 Quantitative Methods in Biotechnology		
BIO:218 Microbiology for Biotechnology		
BIO:219 Biotechnology I		
BIO:220 Biotechnology II		
BIO:221 Workplace Learning: Biotechnology		
BIO: 225 Genetics		
BIO:226 Advanced Topics (2 sections)		
GE:101 Technical Computer Applications		

For more information, please see stlcc.edu/Programs/Degrees or consult the College Catalog at stlcc.edu/Admissions_and_Registration/Course_Catalog.html

Advisor Contact Information

Name
Phone
Email