

Program Coordinator: Deborah Davis
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Phone: (859) 246-6451
Program Website: <https://bluegrass.kctcs.edu/education-training/program-finder/biotechnology.aspx>
Student Name:
Student ID:
Students need to be at KCTCS placement levels for all courses

First Semester	Credits	Term	Grade	Prereqs/Notes
BTN 101 Introduction to Biotechnology	1			
Written Communication	3			
Heritage/Humanities	3			
Quantitative Reasoning ¹	3			
Natural Science with Laboratory ²	5			
Digital Literacy ³	0-3			
Total Semester Credit Hours	15-18			

Second Semester	Credits	Term	Grade	Prereqs/Notes
Behavioral/Social Sciences	3			
BTN 201 Biotechnology Techniques I	4			First 8 weeks
BTN 202 Biotechnology Techniques II	3			Second 8 weeks
BTN 105 Applied Biotech. Laboratory Calculations	3			
Technical Support Elective ⁴	4			
Total Semester Credit Hours	17			

Third and Forth Semesters	Credits	Term	Grade	Prereqs/Notes
Chose 28 credits from the following:				
BTN 106 Fundamentals of Scientific Communication	3			
BTN 110 Nucleic Acid Methods	4			
BTN 115 Biomanufacturing	4			
BTN 120 Biofuels	4			
BTN 125 Bioinformatics I	2			
BTN 126 Bioinformatics II	2			
BTN 160 Introduction to Agricultural Biotechnology	4			
BTN 210 Cell Culture and Function	4			
BTN 220 Immunological Methods	4			
BTN 225 Protein Bioseparations	4			
BTN 295 Independent Investigation in Biotechnology	1-3			
BTN 298 Learning Laboratory	1-8			
BTN 299 Special Topics in Biotechnology	1-4			
Or course approved by the program coordinator	1-5			
Total Semester Credit Hours	28			
Total Credential Hours	60-63			

Note: 25% of Total Program Credit Hours must be earned at Bluegrass Community and Technical College

Advisor Name:
Advisor Signature: _____
Student Name:
Student Signature: _____

Special Instructions:

¹ Quantitative Reasoning – Assessment score above the KCTCS transitional course placement level or completion of transitional courses (courses numbered 001-099).

² Natural Science with Lab - One semester of college biology with lab, or one semester of college chemistry with lab, or course approved by the program coordinator.

³ Digital Literacy – must be demonstrated either by competency exam or by successfully completing a digital literacy course.

⁴ Technical Support Elective may be any science related course as approved by the program coordinator.