

# ADVANCED BIOTECHNICIAN - CERTIFICATE

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Offered at: Bluegrass Community and Technical College

Program Plan Number: 4101013050

Course	Title	Credits
BTN 101	Introduction to Biotechnology	1
BTN 105	Applied Laboratory Calculations for Biotechnology	3
BTN 201	Biotechnology Techniques I	4
BTN 202	Biotechnology Techniques II	4
Select 15 credits of the following 12 options:		15
BTN 106	Fundamentals of Scientific Communication	
BTN 110	Nucleic Acid Methods	
BTN 115	Biomanufacturing	
BTN 120	Biofuels	
BTN 125	Bioinformatics I	
BTN 126	Bioinformatics II	
BTN 160	Introduction to Agricultural Biotechnology	
BTN 210	Cell Culture and Function	
BTN 220	Immunological Methods	
BTN 225	Protein Bioseparation Methods	
BTN 295	Independent Investigation in Biotechnology <sup>1</sup>	
	or BTN 298 Biotechnology Learning Laboratory	
	or COE 199 Cooperative Education: (Topic)	
Course approved by the program coordinator		
<b>Total Credits</b>		<b>27</b>

<sup>1</sup> Students are strongly encouraged to gain hands-on experience by enrolling in BTN 295 Independent Investigation in Biotechnology (1-3 credit hours), BTN 298 Biotechnology Learning Laboratory (1-8 credit hours) or COE 199 Cooperative Education: (Topic) (1-8 credit hours), to reinforce technical skills learned in the classroom.

## Prerequisites

- At least one semester of college-level chemistry and college-level biology, with an earned associate's degree or higher.
- Or consent of program coordinator