

BIOTECHNOLOGY LABORATORY ASSISTANT - ACADEMIC CERTIFICATE (AC)

- **Program Code:** BTEC.AC
- **Program Type:** Academic Transfer
- **Available Fully Online:** No
- **Eligible for Federal Financial Aid:** No

NOTE: Courses required for this program *may* have an additional fee; more information can be found on the [Special Course Fees](#) web page.

Certificate Quick Facts

- **Instructional School:** Science, Technology, and Math
- **Department:** Physical Sciences

Certificate Requirements

Course	Course Title	Min Credits
Major Requirements ¹		
MATH 143 or MATH 147	Precalculus I: Algebra ² Precalculus	3-5
BIOL 111	Biology I ³	3
BIOL 111L	Biology I Lab ³	1
BIOL 112	Biology II	3
BIOL 112L	Biology II Lab	1
CHEM 101	Introduction to Chemistry ³	3
CHEM 101L	Introduction to Chemistry Lab ³	1
CHEM 111	General Chemistry I ³	3
CHEM 111L	General Chemistry I Lab ³	1
CHEM 112	General Chemistry II	3
CHEM 112L	General Chemistry II Lab	2
CHEM 298	Organic Chemistry I	3
CHEM 298L	Organic Chemistry I Lab	2
SCIE 102	Ethics in Science ⁴	3
Select one of the following MMBS course sequences:		4
MMBS 260 & 260L	Introduction to Cell Biology and Introduction to Cell Biology Lab	
MMBS 280 & 280L	Genetics and Genetics Lab	
Complete three (3) credits from the following internship courses:		3
BIOL 293	Biology Internship	
BTEC 293	Biotechnology Internship	
CHEM 293	Chemistry Internship	
SCIE 200	Vertically Integrated Projects (VIP)	

Minimum Credit Hours Required

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- ¹ The courses required for this certificate may apply toward an [Associate of Science degree in Biology](#). Students should work closely with their advisor to select the most appropriate options based on their educational goals and transfer plans.
- ² This course fulfills the Mathematical Ways of Knowing (GEM 3) general education requirement for an associate degree (AA, AS, or AAS) at CWI.
- ³ This course partially fulfills the Scientific Ways of Knowing (GEM 4) general education requirement for an associate degree (AA or AS) at CWI.
- ⁴ This course partially fulfills the Social and Behavioral Ways of Knowing (GEM 6) general education requirement for an associate degree (AA, AS, or AAS) at CWI. It also fulfills the Ethical Reasoning general education requirement for an associate degree (AA or AS) at CWI.

NOTE: This certificate is not currently eligible for federal financial aid.