The Biotechnology program provides in-depth knowledge and laboratory benchwork, at our state-of-the-art facility located at the University of Maryland BioPark, to prepare students to work in the biotechnology field.

These programs also include an internship component for students to acquire real life experiences. The Lab Animal Certificate is aligned with the American Association of Laboratory Animal Sciences and is the only lab animal certificate program offered in the state of Maryland.

Endless Career Options
Credits earned in the Biotech Lab Science and Lab Animal certificates are stackable to the Biotechnology Associates degree. Biotechnology Associate degree credits can transfer to bachelor’s programs in Biology, Biotechnology and Medical Research Technology in universities and four-year colleges in and outside Maryland.

LEARN MORE AT bccc.edu/biotechnology
### SUGGESTED SEQUENCE OF COURSES

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<th>Credits</th>
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### Program Prerequisites

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#### Intensive Program Writing 4 REN 90
- Composition Skills I 4 REN 91
- Composition Skills II 4 REN 92
- Arithmetic 3 MAT 80
- Integrated Pre-Algebra & Introductory Algebra 5 MAT 86
- Integrated Elementary & Intermediate Algebra 4 MAT 87
- Elementary Algebra 4 MAT 91
- Intermediate Algebra 4 MAT 92

#### 1st Semester

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- Prep for Academic Achievement 1 PRE 100
- Special Topics in Biotechnology I 3 BTC 103
- General Chemistry I 4 CHE 101
- Principles of Biology 4 BIO 102
- Pre-Calculus I 4 MAT 128

#### 2nd Semester

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- Special Topics in Biotechnology II 3 BTC 104
- Techniques & Instrumentation 4 BTC 105
- General Chemistry II 4 CHE 102
- English Writing 3 ENG 101
- Health and Life Fitness 1 HLF Elec

#### 3rd Semester

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- Microbiology 4 BIO 212
- Biotechnology Elective 4 BTC Elec
- Intro. to Term Paper & Research Methods 3 ENG 102
- Modern Elementary Statistics 3 MAT 107

#### 4th Semester

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- Genetics 4 BIO 207
- Individual Study in Biology 4 BIO 199
- Health and Life Fitness 1 HLF Elec
- Gen. Ed. Arts & Humanities 3 AH Elec
- Gen. Ed. Social & Behavioral Sciences 3 BHS Elec

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### CAREER OPTIONS

- Agricultural Technician
- Biological Technician
- Biomanufacturing Technician
- Environmental Science Technician
- Food Science Technician
- Forensic Science Technician
- Lab Assistant or Technician
- Lab Animal Technician

- Faculty with in-depth knowledge
- Hands-on laboratory skills
- Small class size
- Internships in Biotechnology companies & research labs at the University of Maryland & Johns Hopkins hospitals

**BCCC’S ADVANTAGE**

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