[Biotechnology Laboratory Technician – Bioinformatics](https://bluegrass.kctcs.edu/education-training/program-finder/biotechnology.aspx)

Certificate: Not currently available at Bluegrass Community and Technical College

Coordinator: Deborah Davis ([deborah.davis@kctcs.edu](mailto:deborah.davis@kctcs.edu)) (859) 246-6451

Student Name: Student ID:

*Students must meet college readiness benchmarks as identified by the Council on Postsecondary Education or remedy the identified skill deficiencies.*

Semester 1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| BTN 101 Introduction to Biotechnology | 1 |  |  |  |  |
| BTN 105 Applied Laboratory Calculations for Biotechnology | 3 |  |  |  |  |
| BIO 125 Bioinformatics I | 2 |  |  | Prereq or coreq: BTN 201 and BTN 202 |  |
| BTN 201 Biotechnology Techniques I | 4 |  |  | A semester of college biology with lab or college chemistry with lab | First 8 weeks |
| BTN 202 Biotechnology Techniques II | 4 |  |  | BTN 201 | Second 8 weeks |
| Total Semester Credit Hours | 14 |  |  |  |  |

Semester 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| BIO 126 Bioinformatics II | 2 |  |  | BTN 125 with grade of C or better |  |
| CIT 149 Java I OR CS 115 Introduction to Computer Programming OR INF 120 Elementary Programming | 3 |  |  |  |  |
| CIT 170 Database Design Fundamentals OR  INF 282 Introduction to Databases | 3 |  |  |  |  |
| CIT 249 Java II OR CS 215 Introduction to Program Design OR (INF 260 + INF 261 Objected Oriented Programming I + Laboratory) | 3 – 4 |  |  |  |  |
| CIT 155 Web Page Development OR IMD 133 Beginning web Design OR INF 286 Introduction to Web Development | 3 |  |  |  |  |
| Total Semester Credit Hours | 14 – 15 |  |  |  |  |
| Total Certificate Credit Hours | 28 – 29 |  |  |  |  |

**Graduation Requirements:**

* 25% or more of Total Certificate Credit Hours must be earned at BCTC.
* Cumulative GPA must be 2.0 or higher.

Advisor Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Advisor Contact \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Reviewed by: Deborah Davis Effective Term: Fall 2021*

*Review Date: 02-03-2021*