

**Certificate in Biotechnology (CERT\_BIOT)**

The Biotechnology program offers hands-on, competency-based instruction designed for entry-level students or retraining for individuals with previous workplace and/or educational experience. The 18-credit certificate program focuses on the techniques and skills leading companies look for in the area of biomanufacturing. Biotechnology certificate credits can be used toward the completion of the Science track leading to an Associate in Science (A.S.) degree. This allows students the option of working in the biotechnology field while completing their degree. Alternatively, students can complete the Associate in Science degree and the Biotechnology certificate program concurrently.

For more information, see the “Science” track entry in the catalog or contact Program Coordinator Scott Warila at 401-825-2136 or srwarila@ccri.edu. Additional information is available through the Biology Department link on the CCRI website.

**Note:** Students are required to receive a grade of C or better in the courses required for the Biotechnology certificate or obtain special permission from the program coordinator. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

**RECOMMENDED COURSE SEQUENCE**

**First semester (Fall):** BIOL 1000 **AND/OR** INST 1010\*

**Second semester (Spring):** CHMT 1121 + **AND/OR** BIOL 1310

**Summer or Fall (2) (semester 3):** BIOL 1300 **AND/OR** 2480\*

*\*also offered in spring, +offered some summers*

**GAINFUL EMPLOYMENT INFORMATION**

Most students in this certificate program attend part time and take two courses each semester. Therefore, the average time to complete the Biotechnology certificate as a part-time student could be three semesters (or 18 months). Students who choose to attend full time could complete this certificate program in as few as two semesters (12 months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit [www.ccri.edu/acadaffairs/gainful-employment/bst/biol/biotech-cert.html](http://www.ccri.edu/acadaffairs/gainful-employment/bst/biol/biotech-cert.html).

**Certificate Requirements**

<b>COURSE NO.</b>	<b>COURSE TITLE</b>	<b>CREDITS</b>
— BIOL 1300	Orientation to Biotechnology	1
— BIOL 1000	Cell Biology for Technology	4
— CHMT 1121	Chemistry for Biotechnology	3
— BIOL 1310	Introductory Biotechnology Laboratory Skills	3
— BIOL 2480	General Microbiology	4
— INST 1010	Introduction to Instrumentation	3
<b>Total Certificate Credits</b>		<b>18</b>