



Interested in the Biomanufacturing Bachelor's Degree?

Use this checklist to track your progress in the major.*

Courses to complete by end of the spring 2025 term in order to apply:**

- ENGL 100
- BIO 105 (or BIO 110, or BIO 111 or BIO 204)
- CHEM 150/150H (formerly CHEM 110/110H)
- CHEM 151/151H (formerly CHEM 111/111H)
- Statistics (Complete ONE of following: BTEC 180, MATH 103, BUS 204, PSYC 104, SOC 125)
- BTEC 107 (3 units; online course exploring biotech sectors & workforce skills)
- BTEC 110 (5 unit; foundational lab skills course)
- BTEC 120 (3 unit; online regulatory/business practices course)
- BTEC 210 (1 unit; online data analysis with Excel; can take CSIT 110, or CSIT 120, or CSIT 128)
- BTEC 211 (1 unit; online technical writing course)

Not required to apply, but extra consideration if you complete by the end of spring 2025:***

- BTEC 221 (1.5 unit; lab course on upstream processing)
- BTEC 222 (1.5 unit; lab course on downstream purification)

**Talk to a counselor about your progress towards fulfilling your General Education requirements.
Plan B or C are required in order to graduate with the B.S. degree.*

***Speak with BTEC Dept. Chair Dr. Dominique Ingato (dingato@miracosta.edu) if you are only missing one or two classes. There may be some flexibility in these requirements for applications submitted in Fall 2024.*

****Although not required to apply to the program, these courses must be successfully completed to graduate with the bachelor's degree.*

Want to learn more?

Check out the Biotechnology Department website at: www.miracosta.edu/biotech



Priority Deadline for Fall 2025 Start: November 15, 2024