

SOLANO COLLEGE
BIOMANUFACTURING BACHELOR DEGREE PROGRAM

General Information

Bio manufacturing means growing living cells (bacterial, yeast, and animal cells) in large tanks called bioreactors and inducing them to produce a protein that serves as a medicine. That protein then must be separated from other cellular components and purified by using techniques that exploit its properties to isolate it away from other cellular proteins. Then technicians use analytical techniques to prove the purity of the isolated protein. In the future Bio manufacturing will be expanded to include the industrial production of biofuels, biomaterials, stem cells, and other products currently manufactured using chemical rather than biological techniques.

Requirements for Admission to the Program

- 1) **ALL** of the following requirements must be met in order to APPLY to the Bachelor of Science degree program in Bio manufacturing.
 - a) Overall cumulative grade point average (G.P.A) of 2.5 for ALL college coursework.
 - b) Completion of, or current Spring semester enrollment in, the following prerequisites with a combined G.P.A. of 2.5 with no grade less than "C" for each in any one of the lower division: BIOT 051, BIOT 052, BIOT 062, BIOT 063, CHEM 001, BIO 002.
 - c) Completion of lower division general education [CSU/IGETCE Option B or Option C](#) program prerequisites (see SCC college catalog).
 - d) Students who have attended college outside the United States must have transcripts evaluated by a National Association of Credential Evaluation Services (NACES) approved independent agency, demonstrating equivalency to the above requirements (1.a., 1.b., 1.c.).
 - e) One statement of interest explaining why you are interested in the program. Please identify your life and work experiences (laboratory work, education, family, unique circumstances, barriers overcome, etc.) which demonstrate how you will succeed in the program.
- 2) **Application Process:**
 - a) Students who have never attended SCC or are returning students must submit a current SCC application for admission. Access the SCC home page (www.solano.edu) and click on Application. Returning SCC students who did not attend last semester must complete a new SCC application.
 - b) Student ID Number: After submitting your SCC application for admission, allow 30 minutes for processing. An email will be sent to the email address you provided in the application and will include your SCC ID number, username and password for your MySolano account. When completing a new application to Solano, if you already have an ID number, the system will re-activate the same ID number. After this step, you can complete the Bio manufacturing application at the following link: <https://solano.submittable.com/submit/e540bf57-5c44-4f91-a47f-34ba0bbef855/2017-application-for-bachelor-of-science-in-bio-manufacturing> .
 - c) MySolano email account: All correspondence regarding the application status will be sent to your My Solano SCC email address. Applicants will not receive any paper or phone verification regarding their status.
 - d) New student applications for fall semester enrollment will be evaluated beginning March 31st. Incomplete applications will NOT be accepted. **All required information for Bio manufacturing program admission must be submitted through the Bio manufacturing application link identified above in 2.b.**
- 3) **Transcript Requirement:** During the application process, unofficial transcripts may be submitted with the application. Upon admission to the Bio manufacturing Bachelor Degree program, you are required to submit one original official transcript in a sealed envelope to the Admissions and Records department

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from each college and university attended, including Solano College, prior to being granted permission to enroll and register for classes in the program.

- 4) **Foreign Transcript:** ALL foreign transcripts must be evaluated by a credential evaluation service for determining U.S. equivalency. **IF a foreign degree or courses were earned**, the evaluation must state its equivalency to the above requirements (1.a., 1.b., 1.c.). Approved agencies can be found in the Records & Registration office.

- 5) **For applicants who are notified that they have been accepted for enrollment in the program**, a Biomanufacturing Program Admitted Student Information Session must be completed once accepted for enrollment to the program. A Biomanufacturing Admitted Student Information Session Schedule will be made available through the School of Math and Science, Fairfield campus. Upon completion of the Admitted Student Information Session, the student must schedule an Advisement Session prior to registering for classes. Students will meet with an Academic Counselor to develop a Student Education Plan (SEP) during the Advisement Session.

Eligibility requirements, application process, and related information is available on the web at www.solano.edu/biotech , in the School of Math and Science, Fairfield campus.

