

BIOTECH CAREER JUMPSTART PROGRAM

College and Career Exploration & Development
San Diego Miramar College
2021-2022 Application



The Biotech Career Jumpstart Program is looking for current 8th graders to be a part of a dynamic science team as they navigate their high school years. The mission of the program is to prepare high school students to move seamlessly from high school to college prepared for careers in biotechnology.

As a member of the program, students participate in an incredible college and career exploration journey. Students are provided positive and supportive activities in the next 4 years. The program offers academic support, college credit opportunities, career mentoring activities, and being part of a positive community.

The journey begins the summer prior to 9th grade at a week-long summer activity at SD Miramar College where bonding and friendships start to form. Throughout the next four years, students have opportunities to participate in hands-on lab activities, college preparation guidance, company tours, industry speakers, career workshops, high school internships, option to take courses for college credit, and job interviews after the program.

Students who enroll at SD Miramar College after high school will have their first two years of college tuition-free, and with dual-enrollment, students can begin progress toward getting their Biotechnology Certificate, AA degree, and/or transfer their units to a university if they choose to do so.

To qualify for the program, students must:

- Be an 8th grade student who plans to attend, stay enrolled, and graduate from high school.
- Have an interest in learning about the sciences
- Have a desire to improve academically. The student must have at least a 2.0 grade point average (GPA) to qualify for the program.
- Be available to attend one grade-specific summer program and 2 (of the four) enrichment activities during the school year, typically scheduled on evenings or Saturdays.
- Have transportation to Mira Mesa High School and SD Miramar College.

Application Process:

- Online applications are available beginning in January 2021
- Applications are accepted on a rolling basis with an end date of April 1, 2021.
- Acceptance notices for the selected applicants will be sent out via email by April 15, 2021.

Application Instructions:

- Complete the online [application form](#)
- Parents/Guardians: Complete the short essay in application form.
- Students: Complete the short essay in application form.
- Complete the Commitment Form on page two of the application
- Hit submit

If you have questions about the program or challenges with the online application form, please contact Kim Teston at kteston@sdccd.edu

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SOUTHERN
CALIFORNIA
BIOTECHNOLOGY
CENTER

What do Employees of Biotechnology Companies Do?

Biotechnologists Make Many Contributions...

To Medicine

- Create new vaccines, drugs and diagnostic tests
- Find gene therapies
- Engineer new tissues

To Agriculture

- Make Better Crops
- Breed Better Animals

To Industry

- Process Food Brew
beer & wine

To Law Enforcement

- DNA analysis
- Analyze evidence

To the Environment

- Use microbes to clean oil spills and toxic wastes
- Produce fuel from plants

Students who successfully complete Certificate in Biotechnology will be able to:

- Assist research scientists in the laboratory.
- Perform technical procedures such as cell counting, solution and media preparation, DNA extraction and characterization, electrophoresis, cloning, polymerase chain reaction, ELISA and other immunology techniques, maintenance of cell lines, transfection, fermentation, protein isolation and purification.
- Follow safety protocols
- Apply knowledge of theory and techniques to troubleshoot experiments.
- Analyze and display data using computer technology.

Average Entry-Level Research Associate, Biotechnology Salary in San Diego, California

\$43,618 to \$53,797*

*www.salary.com