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Directory

Library

Translate

WebAdvisor

Self-Service







## Santiago Canyon College



Biology Homepage

Faculty and Staff

**Biology Courses** 

Biotechnology Certificate Program

**OC Biotech Education Partnership** 

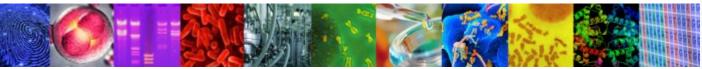
**Student Learning Outcomes** 

Supplemental Instruction (SI)

STAR Center

Contact Us...





### **Biotechnology Certificate Program**

You can be qualified to work in the Biotech Manufacturing Industry after completing just 3 courses!

Complete Biology 190 & 190L, Biology 191, and Chemistry 100 and earn a Certificate of Proficiency in Biotechnology

Our certificate is stackable so you can also earn higher level Certificates of Achievement and an AS Degree in Biotechnology by completing other courses in the program(Click Images Below for more information)







<u>Diagram of Courses for</u> <u>Stackable Certificate</u>



SCC Biotechnology Program Video

# Wonder what Biotechnology means? <u>Click Here</u>.

Interested? Click here to apply to college!

After applying you will be given a date to register before the new semester begins

**Biotechnology Courses Planned for Spring 2021 at SCC:** 



#### Intersession 2020 and Spring 2021 Biotechnology Courses

#### Introduction to Biotechnology - Spring 2021

- Biology 190-XXXXX: (02/8/2021-06/05/2021)
  - Lecture: (TBA)
- No Prerequisite!
- Counts for SCC GE and is UC/CSU transferable!

- Introduction to the field of biotechnology including a history of its origin and development, a survey
  of modern industrial applications and accomplishments, ethical considerations, and career paths.
- This is 1 of only 3 classes needed to earn a certificate!

#### Introduction to Biotechnology Laboratory- Spring 2021

- Biology 190-XXXXX: (02/8/2021-06/05/2021)
  - Lab: (TBA)
- Prerequisite/Corequisite: Biology 190
- Counts for SCC GE and is UC/CSU transferable!
- Laboratory experiments emphasizing basic concepts needed for entry-level employment in the bioscience industry.
- This is 1 of only 3 classes needed to earn a certificate!

#### Biotechnology A: Basic Laboratory Skills - Spring 2021

- Biology 191-XXXXX: (02/8/2021-06/5/2021)
  - Lecture: (TBA)
  - Lab: (TBA)
- No Prerequisite!
- Skills include maintenance of an industry standard notebook; preparation and sterilization of solutions, reagents, and media; utilization of good aseptic technique, proper use and maintenance of laboratory equipment, adherence to quality control protocols, and laboratory safety regulations.

#### Biotechnology C: Nucleic Acids - Spring 2021

- Biology 193-XXXXX: (02/8/2021-06/5/2021)
  - Lab: (TBA)
  - Lecture: (TBA)
- Prerequisite: Biology 191 with a grade of C or better
- This course introduces the fundamental skills in any biotechnology laboratory focusing on the upstream research and development process. Compliance with industry standards and regulations will be incorporated into course procedures.

#### **Biotechnology Courses for Intersession 2021 at SCC:**

#### **Quality and Regulatory Compliance in Biosciences - Intersession 2021**

- Biology 194-XXXXX: (01/04/2021-01/30/2021)
  - Lecture: (Location TBA)
  - o Days and Times: (TBA)
- No Prerequisite!
- This course will cover quality assurance and regulatory compliance for the biosciences industries.
   Topics will span quality control and Federal Drug Administration (FDA) regulations for the biotechnology, biopharmaceutical, biomedical device and food industries.

#### Food Safety and Microbiology - Intersession 2021

- Biology 196-XXXXX: (01/04/2021-01/30/2021)
  - Lecture: (Location TBA)
  - o Days and Times: (TBA)
- No Prerequisite!
- Prior completion of Biology 190 or Biology 229 is recommended.
- This course will cover the regulatory agencies that oversee and the methodologies prescribed to ensure
  a safe food supply. The Food Safety Modernization Act, hazard analysis critical control points (HACCP),
  product traceability, food allergens, and food contaminants including microorganisms will be
  presented. Discussion of illnesses known to result from ingestion of contaminated foods will occur.

#### **Biotechnology Courses Currently Offered at SCC:**

#### Introduction to Biotechnology - Fall 2020

- Biology 190-84188: (08/24/2020-12/12/2020)
  - Lecture: Online
- No Prerequisite!
- Counts for SCC GE and is UC/CSU transferable!

- Introduction to the field of biotechnology including a history of its origin and development, a survey
  of modern industrial applications and accomplishments, ethical considerations, and career paths.
- This is 1 of only 3 classes needed to earn a certificate!

#### Introduction to Biotechnology - Fall 2020

- Biology 190-84221: (09/14/2020-12/09/2020)
  - Lecture: Online
- No Prerequisite!
- Counts for SCC GE and is UC/CSU transferable!
- Introduction to the field of biotechnology including a history of its origin and development, a survey
  of modern industrial applications and accomplishments, ethical considerations, and career paths.
- This is 1 of only 3 classes needed to earn a certificate!

#### Introduction to Biotechnology Laboratory- Fall 2020

- Biology 190-84189: (09/14/2020-12/19/2020)
  - o Lab: Online
- Corequisite: Biology 190
- Counts for SCC GE and is UC/CSU transferable!
- Laboratory experiments emphasizing basic concepts needed for entry-level employment in the bioscience industry.
- This is 1 of only 3 classes needed to earn a certificate!

#### **Biotechnology Courses Previously Offered at SCC:**

Biotechnology A: Basic Lab Skills - Summer 2020

**Introduction to Biotechnology - Summer 2020** 

**Introduction to Biotechnology Laboratory- Summer 2020** 

**Introduction to Biotechnology - Spring 2020** 

Introduction to Biotechnology Laboratory- Spring 2020

**Biotechnology B: Proteins - Spring 2020** 

Cellular and Molecular Biology - Spring 2020

**Quality and Regulatory Compliance in Biosciences - Intersession 2020** 

**Introduction to Biotechnology - Fall 2019** 

Introduction to Biotechnology Laboratory- Fall 2019

**Biotechnology C: Nucleic Acids - Fall 2019** 

Cellular and Molecular Biology - Fall 2019

Biotechnology A: Basic Lab Skills - Summer 2019

**Introduction to Biotechnology - Spring 2019** 

Introduction to Biotechnology Laboratory- Spring 2019

Cellular and Molecular Biology - Spring 2019

**Quality and Regulatory Compliance in Biosciences - Intersession 2019** 

Biotechnology A: Basic Lab Skills - Fall 2018

**Introduction to Biotechnology - Fall 2018** 

Introduction to Biotechnology Laboratory- Fall 2018

Cellular and Molecular Biology - Fall 2018

**Cell Culture Techniques - Summer 2018** 

**Introduction to Biotechnology - Spring 2018** 

**Introduction to Biotechnology Laboratory- Spring 2018** 

**Biotechnology C: Nucleic Acids - Spring 2018** 

Cellular and Molecular Biology - Spring 2018

## CHECK OUT THESE VIDEOS TO SEE HOW AMAZING BIOTECHNOLOGY IS!







**Contact Denise Foley (Program Coordinator) for more information.** 





Santiago Canyon College is part of the Rancho Santiago Community College District and is accredited by the Accrediting Commission for Community and Junior Colleges.

<u>Discrimination and Harassment Complaints and Investigations</u> | <u>Non-Discrimination Policy</u>