

# BIOLOGY

## School of Mathematics, Science, and Engineering

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**School/Department Location:** [www.swccd.edu/cvlocation](http://www.swccd.edu/cvlocation)

**Map:** <https://goo.gl/maps/C4E3PnKsdU92> (<https://goo.gl/maps/C4E3PnKsdU92/>)

## General Description

Biology is a natural science that focuses on the biological, physical and chemical processes in living organisms. This discipline explores how organisms acquire and use energy to maintain homeostasis, how they reproduce, and how they interact with each other and their environment. Biological processes are emphasized as a means of answering these questions. Biologists rely heavily on a chemistry foundation since living organisms are chemical systems.

## Career Options

Below is a sample of the career options available for the biology major. A few of these require an associate in science degree, most require a bachelor's degree, and some require a graduate-level degree: public health technician, nutritionist, health educator, genetic counselor, agricultural consultant, fish and wildlife biologist, animal health technician, biotechnology technician, biomedical engineer, dentist, environmental consultant, field biologist, bioinformatics specialist, agricultural scientist, environmental health worker, exercise physiologist, high school or college teacher, marine biologist, microbiologist, physician, physician liaison, pharmaceutical researcher, research biologist, veterinarian, and nurse practitioner. In addition, a background in biology is required for the following: registered nurse, physical therapist, respiratory therapist, dental hygienist, medical technician, physician's assistant, and optometrist.

Degree/Certificate Options	Major Code
<b>Associate Degree for Transfer (ADT)</b>	
Biology (SB 1440) ( <a href="http://catalog.swccd.edu/associate-degree-certificate-programs/biology/biology-ast/">http://catalog.swccd.edu/associate-degree-certificate-programs/biology/biology-ast/</a> )	01514
<b>Associate in Science Degree:</b>	
<b>Transfer Preparation</b>	
Biology ( <a href="http://catalog.swccd.edu/associate-degree-certificate-programs/biology/biology-bs/">http://catalog.swccd.edu/associate-degree-certificate-programs/biology/biology-bs/</a> )	01510

Consult with a counselor to develop a Student Education Plan (SEP), which lists the courses necessary to achieve your academic goal.

## Faculty

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