

BIOLOGICAL SCIENCES

PROGRAM DESCRIPTION:

The Biological Sciences Major is designed for students who plan to earn a Bachelor's Degree in Biology. The program includes courses that explore life at the molecular, cellular, organismal and ecological levels, providing a foundation for further study in the life sciences and related fields of study (e.g. medicine, dentistry, veterinary science, agriculture, botany, microbiology, zoology, entomology, ecology).

CAREER AT A GLANCE:

HOW DO I KNOW IF THIS MAJOR IS FOR ME?

- You enjoy conducting research and analyzing data
- You enjoy thinking critically and problem solving
- You like to keep detailed records of your work
- You like to work with charts and reports
- You like working with technology
- You enjoy working with hands-on problems and solutions
- You want to work in lab environment

Use Focus2Career on your MyChaffey portal to learn more about careers and majors that fit you best.

WHERE CAN I WORK?

Colleges and Universities	Federal/State Government
Food Manufacturing	Local Government
Scientific Research Services	Pharmaceutical Companies
Medical Facilities	Gaming/Fishing Management

For more information visit: www.labormarketinfo.edd.ca.gov/OccGuides

HOW DO I GET STARTED?

- Start taking introductory biology, math and chemistry courses
- Apply for entry level positions in reception, data entry, or customer service with employers where you would like to promote
- Job shadow and conduct informational interviews with professionals in positions you wish to have
- Include research projects on your resume
- Volunteer in schools or other research labs

WHAT CAN I DO WITH THIS ASSOCIATE DEGREE?

<i>Position Title</i>	<i>CA Median Salary</i>
Biological Technician	\$48,960
Wildlife Technician	\$48,960
Environmental Technician	\$54,100
Laboratory Assistant	\$55,000
Resource Technician	\$35,250
Research Assistant	\$51,500
Medical Lab Assistant	\$55,000
Science Technician	\$41,940

WHAT CAN I DO WITH HIGHER EDUCATION AND ADDITIONAL TRAINING?

<i>Position Title</i>	<i>CA Median Salary</i>
Biological Science Teacher	\$77,980
Biological Scientist/Biologist	\$83,660
Life Scientist	\$92,960
Natural Scientist Manager	\$138,190
Biochemist/Biophysicist	\$94,570
Microbiologist	\$95,730
Geneticist	\$83,660
University Professor	\$105,190
Physician's Assistant	\$115,720
Medical Doctor	\$190,860
Zoologist	\$68,230
Plant Scientist	\$76,770
Wildlife Biologist	\$68,230
Conservation Resource Manager	\$81,680
Fisheries Manager	\$77,990
Molecular Biologist	\$83,660
Research Director	\$138,190

For more information about careers, education and training requirements, salary data, and job outlooks visit www.onetonline.org.

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MAJOR AND COURSE REQUIREMENTS:
LEGEND: G=Grade IP=In Progress N=Need **Bold: Prerequisites** Plain Text: No Prerequisites

<i>Major Requirements for the Associate in Science Degree: (S065)</i>		Grade	IP	Need	Units
BIOL 40	Introduction to Cell & Molecular Biology				4
BIOL 62	Biology of Organisms				5
BIOL 63	Evolutionary Ecology				4
CHEM 24A	General Chemistry I				5
CHEM 24B	General Chemistry II				5
MATH 65A	Calculus I				4

Student Name: _____

ID#: _____

Date: _____

Counselor: _____

<i>Plus one course from the following:</i>		Grade	IP	Need	Units
CHEM 76A	Organic Chemistry I				5
MATH 65B	Calculus II				4
PHYS 20A	Algebra/Trigonometry College Physics I				4
PHYS 30A	Physics for the Medical and Life Sciences I				4
PHYS 45	Physics for Scientists and Engineers I				5

COUNSELOR NOTES:

\$46 per unit for CA Residents

 In addition to completion of the MAJOR, there are other requirements for the degree, refer to the Chaffey College Graduation Requirement Sheet or see a counselor in the Counseling Center.
 All courses required for a certificate must be completed with a minimum grade of C.