

Biology, AS-T



CATALOG 2022-23

GE Pattern: IGETC for STEM
Total Units: 60 Units
Program Code: BIOLT.IGETC.AS



Category Key

(a)	Articulated Credit	A course taught at the high school that teaches the same content as the community college allowing the high school student to receive college credit.	GE General Education	A course that fulfills a specific general education requirement for this degree, which can be replaced with another course that meets the same requirements.
	Elec Elective	A degree - applicable course that is part of a degree road map to ensure that there is a total of at least 60 units, which is a requirement for an AS degree.	RE Restricted Electives	A course selected from a list of elective courses specified for this degree in the course list in the catalog, which can be replaced with another course from the same list.
	Req Required Core	A course that is required for this degree		

Year 1

Semester 1

17 Units

Category	Course	Title	GE Area	Unit
Req	BIOL 201	Biology of Cells	5B	5
Req	*CHEM 201	General Chemistry	5A&5C	5
GE	Any		3A	3
GE	ENGL 101.0	English Composition and Reading	1A	4

*Placement into MATH 226 or completion of MATH 104 and MATH 105 is required to begin this program. The math department highly recommends the MATH 86 support co-requisite course.

Semester 2

16 Units

Category	Course	Title	GE Area	Unit
Req	BIOL 202	Biology of Organisms		5
Req	CHEM 202	General Chemistry		5
GE	Any	Recommended: POLS 102	4	3
GE	Any		1B	3

Year 2

Semester 1

15 Units

Category	Course	Title	GE Area	Unit
Req	*BIOL 200	Botany: Plant Diversity and Ecology		4
Req	PHYS 221	General Physics I		4
Req	*MATH 226	Analytic Geometry and Calculus I	2	4
GE	Any		1C	3

*Placement into MATH 226 or completion of MATH 104 and MATH 105 is required to begin this program. The math department highly recommends the MATH 86 support co-requisite course.

Semester 2

18 Units

Category	Course	Title	GE Area	Unit
Req	BIOL 203	Population and Environmental Biology (optional)		4
Req	PHYS 222	General Physics II		4
Elec	MATH 227	Analytic Geometry and Calculus II (PreReq for PHYS 222 or 202)	PreReq	4
GE	Any	Recommended: HIST 117, 118, or 155	3B	3
GE	Any	Recommended: PSYC 101	4	3



+159
5-year Job Demand
Increase in
MDCP Region

**Average Hourly
Wage**

**MDCP
Regional Labor Market
Snapshot
JOBS in
Science, Technology,
Engineering and
Math**

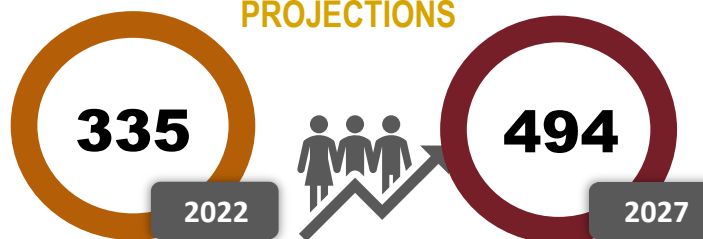
\$46.10
MDCP Region

\$45.63
SB County

\$53.80
California

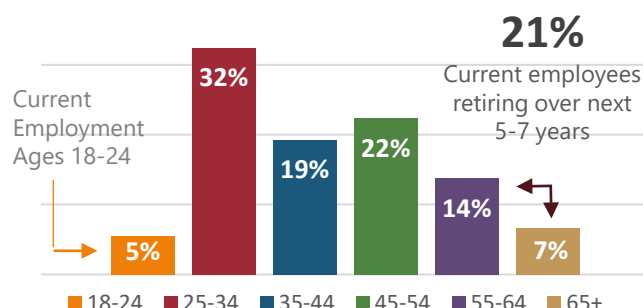


EMPLOYMENT PROJECTIONS



5-year demand includes new jobs, transfers, and retirements

Current Age Breakdown



CONTINUING EDUCATION AND TRAINING

Program

AS Environmental Horticulture
BA Environmental Studies
BS Biology
BS Environmental Biology
BS Environmental Science
MS Ecology

College

Victor Valley CC
Cal State San Bernardino
UC Riverside
Cal Poly Pomona
UC Los Angeles
Cal State San Diego

For additional information visit

<https://catalog.vvc.edu/degrees-certificates/biological-science/#degreestext>

LOCAL EMPLOYERS

Employer

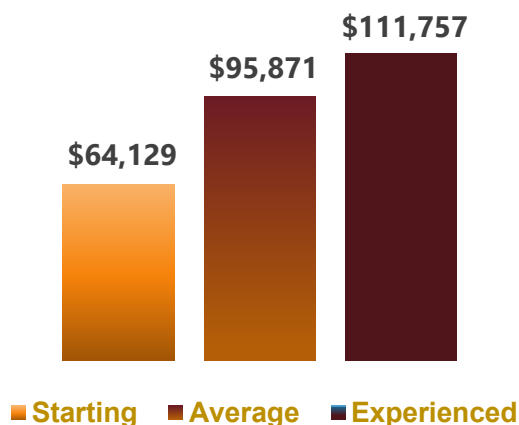
Epps Urban Homestead Farm
Neil's Landscape & Hydro Seed
St Mary's Hospital
Desert Valley Hospital
US Dept of Agriculture
Victor Valley College
US Forest Service, SB County
Cal State San Bernardino

Website

<https://eppsurbanhomestead.weebly.com/>
<https://porch.com/apple-valley>
<https://www.providence.org/>
<https://www.dvmc.com/>
<http://cms.sbcounty.gov/awm/Home.aspx>
<http://www.vvc.edu/academic/agriculture/>
<https://www.fs.usda.gov/main/sbnf/forest/jobs>
<https://www.csusb.edu/career-center>

Salary Guide

AVERAGE BY EXPERIENCE



AVERAGE WAGE INFORMATION PER JOBS IN REGION

Occupation	Average Hourly Wage			HD Average Salary
	HD	SBC	California	
Biological Scientists (B)	\$41.60	\$41.06	\$49.83	\$86,500
Biological Technicians (B)	\$22.62	\$22.09	\$26.52	\$47,000
Natural Sciences Managers (B)	\$70.81	\$72.95	\$92.67	\$147,300
Zoologists and Wildlife Biologists (B)	\$36.01	\$36.11	\$37.69	\$74,900
Epidemiologists (M)	\$36.96	\$34.27	\$44.96	\$76,900
Genetic Counselors (M)	\$50.60	\$51.21	\$55.72	\$105,200
Biological Science Teachers, Postsecondary (D)	\$64.09	\$61.73	\$69.18	\$133,300

Average hourly wage based on listed occupations

(HS = High School Diploma; PSC = Postsecondary Certificate; A = Associates Degree;
B = Bachelor's Degree; M = Master's Degree, D = Professional or Doctorate Degree)

HD Average wages based on listed occupations

^High Demand Occupation

Current Gender Breakdown

