

STEM
SCIENCE TECHNOLOGY ENGINEERING MATH

LIFE SCIENCES
Bringing Science to Life!

Our courses focus on the natural world from the smallest microbes to the largest creatures and their interactions with our hospitable planet. You will use the scientific method to observe, measure and understand the processes that lead to survival and adaptation. You will gain the tools for evaluating evidence and proposing solutions to problems that affect us personally, locally and on a worldwide scale.

Taking a Look

These courses provide a survey of biology and satisfy GE/Transfer requirements:

Biology 2---Human Biology

Biology 3---Fundamentals of Biology

Exploring Specific Areas

These courses offer in-depth study of focused areas in the natural sciences and satisfy GE/Transfer requirements:

Anatomy 1 - Human Anatomy

Microbiology 1 - Fundamentals of Microbiology

Biology 9 - Environmental Biology

Nutrition 1 -Introduction to Nutrition Science

Biology 15---Marine Biology

Physiology 3---Human Physiology

Botany 1---General Botany

Zoology 5---Introductory Zoology



SMC students on Morro Bay field trip.



SMC students working on group projects in Botany Lab

Preparing for Transfer

Our three-semester series will prepare you for Life Sciences-related majors at UC and CSU campuses and at private universities:

Biology 21 - Cell Biology and Evolution

Biology 22 - Genetics and Molecular Biology

Biology 23 - Organismal and Environmental Biology

STEM: You can BANK on it!

- By 2018 there will be 3 million NEW or replacement jobs in STEM...65% will require a bachelor's degree or higher.
- STEM majors will earn a minimum of \$500,000 MORE over their lifetime compared to non-STEM majors even if they don't work in a STEM career.
- Starting salaries for Life Sciences STEM jobs range from \$50,000 to \$70,000 per year.

Source: U.S. Department of Commerce: Good Jobs Now and for the Future, Langdon, McKittrick, Beede, Khan and Doms, 2012.

LIFE SCIENCES STEM CAREERS FROM A→Z

agricultural/food science technician	environmental protection specialist	marine mammal trainer
agronomist	epidemiologist	medical illustrator
animal behaviorist	fish & wildlife refuge manager	microbiologist
arborist	fisheries scientist	natural resource manager
bio-animation and film	food and dairy technician	oceanographer
bioinformatics analyst	food microbiologist	park naturalist
biomechanical engineer	food safety expert	pharmaceutical lab technician
biotechnology patent lawyer	forensic pathologist	parasitologist
bioterrorism expert	forensic scientist	plant pathologist
botanist	forest ranger	process development scientist
clean energy researcher	forestry technician	researcher
conservation biologist	geneticist	science advisor for legislation
cosmetics researcher	herpetologist	science writer/journalist
criminalist	horticulturist	soil conservationist
dietician	hydrologist	sustainability consultant
drug testing/quality control associate	immunologist	toxicologist
educator/teacher/professor	laboratory technician	wildlife biologist
endocrinologist	landscaping specialist	Zookeeper
entomologist	marine biologist	zoologist
environmental restoration planner	mammalogist	zymurgist (beer/wine making)