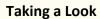
STEM SCIENCE TECHNOLOGY ENGINEERING MATH

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.



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 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
agronomist
animal behaviorist
arborist
bio-animation and film
bioinformatics analyst
biomechanical engineer
biotechnology patent lawyer
bioterrorism expert

als

clean energy researcher
conservation biologist
cosmetics researcher
criminalist
dietician
drug testing/quality control associate
educator/teacher/professor
endocrinologist
entomologist
environmental restoration planner

botanist

environmental protection specialist epidemiologist fish & wildlife refuge manager fisheries scientist food and dairy technician food microbiologist food safety expert forensic pathologist forensic scientist forest ranger forestry technician geneticist herpetologist horticulturist hydrologist immunologist laboratory technician landscaping specialist marine biologist

mammalogist

marine mammal trainer medical illustrator microbiologist natural resource manager oceanographer park naturalist pharmaceutical lab technician parasitologist plant pathologist process development scientist researcher science advisor for legislation science writer/journalist soil conservationist sustainability consultant toxicologist wildlife biologist Zookeeper zoologist zymurgist (beer/wine making)