What can first-year students expect in the Microbiology & Environmental Toxicology Graduate Program?
Students are expected to take four courses within the department, one additional approved graduate-level course within or outside the department, and any additional courses determined by their first year advising committee. Students write a literature review of the current state of the field of their proposed dissertation research, under direction of the student’s adviser. This written review will be submitted to the student’s adviser no later than the first day of fall quarter of the students second year.

Do you have any diversity fellowships or other opportunities specific to your program?
Our department can nominate students to the Cota Robles Fellowship upon admission to the program.

What salary (on top of tuition and fees) do first-year Graduate Student Researchers in your program earn?
Our GSR’s are paid at step 8, which is $2957.00 per month

When are graduate applications due for your program?
December 1st.

Who can I contact for more information?
Allyson Ramage, Department Manager
(831) 459-4719, metxadmin@ucsc.edu

Department of Microbiology and Environmental Toxicology graduate student researchers working in a research lab in the Physical Sciences building at UCSC.

http://www.metx.ucsc.edu/academics/graduate
Victoria Auerbuch Stone, Associate Professor  Interactions between bacterial pathogens and the innate immune system

Manel Camps, Associate Professor  Evolution of drug resistance with a focus on genetic adaptation and plasmid homeostasis

Karen Ottemann, Professor  How bacterial pathogens are able to chronically colonize mammalian hosts and cause disease outcomes such as inflammation and cancer

Chad Saltikov, Professor  Microbial processes that influence the biotransformation of pollutants in the environment

Donald R. Smith, Professor  Mechanisms underlying responses and adaptations of organisms to toxic metal exposures

Fitnat Yildiz, Professor  Understanding processes controlling transmission of bacterial pathogens

Affiliated Faculty Who Sponsor METX Students

Roberto Bogomolni (Chemistry and Biochemistry) Biophysical chemistry, photobiology, light energy conversion and signal transduction in biological systems

Adina Paytan, Research Scientist, Institute of Marine Sciences Biogeochemistry, paleoceanography, environmental and aquatic chemistry

Jonathan Zehr (Ocean Sciences) Aquatic microbial ecology, biological oceanography

Adjunct Professors

Paul Blum  Repurposing bacterial toxins for therapeutic uses and genetics of microbial extremophiles

Myra Finkelstein  Human impacts to wildlife with an emphasis on contaminant-induced effects

Ron Oremland  Microbial metabolism of reduced gases and of toxic elements

Lynn Rothschild  Protists, cyanobacteria, astrobiology and synthetic biology