

Concentration: Applied Microbiology

The Applied Microbiology biotin prepare you for professional positions in algal biofuels, environmental monitoring and improvement, industrial applications of microbiology, food sanitation, research or graduate study.

Required Courses

BCHE 341	Survey of Biochemistry	4
BIOL 311 L	General Microbiology Laboratory	2
BIOL 451	Physiology of Microorganisms	3
BIOL 473	Ecology of Microorganisms	3
CHEM 313	Organic Chemistry I	3
CHEM 314	Organic Chemistry II	3
CHEM 315	Organic Chemistry Laboratory	2
EPWS 373	Fungal Biology	3
EPWS 420	Environmental Behavior of Pesticides	3
EPWS 486	Plant Virology	3
MATH 142G	Calculus for the Biological and Management Sciences	3
PHYS 211G	General Physics I	3
PHYS 212GL	General Physics II Laboratory	1
Select 6-7 credits from the following:		6-7
A ST 456	Statistical Methods and Data Analysis	3
AGRO 471	Plant Mineral Nutrition	3
BIOL 477	Applied and Environmental Microbiology	4
E S 301	Principles of Ecology	3
E S 370	Environmental Soil Science	3
EPWS 455	Advanced Integrated Pest Management	3
EPWS 462	Parasitology	3
EPWS 481	Plant Nematology	3
EPWS 492	Diagnosing Plant Disorders	3
FSTE 320	Food Microbiology	4
SOIL 252	Soils	3

SOIL 312	Soil Management and Fertility	3
SOIL 476	Soil Microbiology	3
TOX 361	Basic Toxicology	3
Total Credits		42-43