

**2011-13 Cal Poly Catalog****Biological Sciences Department****MICROBIOLOGY MINOR**

This minor is designed to give students from majors in which microbiology may be an important component increased exposure to factual information, concepts, and skills in order to provide those students a more complete understanding of the roles of microorganisms as they pertain to studies in their chosen major. Students in the allied health and related fields may expand their breadth of knowledge in microbial diseases, transmission and prevention, and immunologic responses. Students in applied fields of study such as Food and Dairy Sciences and various aspects of agriculture can gain additional information in pertinent topics such as microbial involvement in water and wastewater treatment; the role of microorganisms in recycling of nutrients and soil fertility; microbial roles in food processing, spoilage, production; and disease transmission.

**Required Courses.** *Units*

MCRO 221 Microbiology (B2&B4) <i>or</i>	
MCRO 224 General Microbiology (B2&B4).....	4/5
MCRO 225 General Microbiology II.....	5
MCRO 423/MCRO 424/MCRO 402 .....	5/5/4

**Approved electives**..... 11-13

Select courses from the following:

BIO 426; DSCI 444;

MCRO 301, 320, 342, 402, 421, 423, 424, 433, 436;

SS 422; ZOO 425, 428