

99-09

May 14, 1999

Microbiology (code 3-7654)

(This option is an approved merger of the previously separate
Options in Medical Microbiology and General Microbiology)

This option was recommended by the Academic Senate on April 8, 1999
and concurred by the President on May 3, 1999.

Microbiology is the study of microorganisms and their interactions with people and the environment. This degree, with the inclusion of appropriate classes, may be utilized by pre-professional students who are preparing for medical, dental, pharmacy, and veterinary school. A major in microbiology prepares students for a wide range of employment opportunities in clinical and public health fields, genetic engineering, environmentally related fields, and industries concerning food, pharmaceuticals, and medical equipment and supplies. There is a core of courses for each of these varied educational and employment opportunities and specific programs can be arranged by counseling with microbiology advisors in the Department. This undergraduate major is recognized by the American Society for Microbiology as meeting their core curriculum for the baccalaureate degree program in microbiology, if students use MICR 471 as an elective. This major requires 93-96 units, of which 45-48 are in the lower division and 48 are in upper division.

Lower Division: BIOL 211A, B, 260; CHEM 111A, B, 251; MATH 119A or 122; MICR 211; NSCI 200; PHYS 100A or 101A, 100B or 101B.

Upper Division: CHEM 320A, B, 441A, B; BIOL 340; MICR 320, 322, 430, 430L, 452, either both 450 and 451 or BIOL 370, and 9 additional elective units chosen from: BIOL 473, 477; MICR 323, 425, 429, 432, 441, 453, 471, 473, 480, 490, 495, 496. MICR 323, 425, 429, 432, and 453 are particularly useful for Clinical Laboratory Science (Medical Technology) and other health related careers. The following courses are not acceptable toward the 9 units: MICR 300I, 302I, 303.

EFFECTIVE: Fall 1999

Code: 3_7654

College: 65

Career: UG

IPEDS (Major) ERSS: 04111

IPEDS (Degree) ERSD: 04111

Discontinue the Option in Medical Microbiology (code 3-7655) to all new students.