

MICROBIOLOGY

MICR M01 General Microbiology 5 Units

In-Class Hours: 52.5 lecture, 105 laboratory

Prerequisites: BIOL M02A or BIOL M02AH or PHSO M01 or PHSO M01H and CHEM M01A or CHEM M01AH or CHEM M12 or CHEM M11 or high school Chemistry equivalent

Emphasizes microbiological principles and lab techniques related to the morphology, metabolism, genetics, classification, and ecology of bacteria. Characterizes viruses and eukaryotic microorganisms. Focuses on human disease including characteristics of pathogens, immunology, and epidemiology. Practices laboratory exercises including aseptic technique, staining, the determination of bacterial growth conditions and requirements, and the identification of an unknown bacterium. Applies microbiology in clinical applications.

Grade Modes: Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading

Degree Applicability: Applies to Associate Degree

AA/AS GE: A1

Transfer Credit: CSU, UC

UC Credit Limitations: None

CSU GE-Breadth: B2, B3

IGETC: 5B, 5C

MICR M122 Independent Study-Microbiology 0.5-3 Units

In-Class Hours: 26.25-157.5 laboratory

Prerequisites: Completion of one course in Mathematics and instructor approval

Allows independent study for students who wish to extend their knowledge of a particular area of Microbiology through research and study. Utilizes an approved independent project. Includes one-on-one work with instructor. Interested students should contact a Microbiology instructor for assistance in developing a contract for learning about a specific topic.

Grade Modes: Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading

Degree Applicability: Applies to Associate Degree

AA/AS GE: None

Transfer Credit: CSU

UC Credit Limitations: None

CSU GE-Breadth: None

IGETC: None