

# BIO 220 : General Microbiology

This course covers the fundamental principles of microbiology, which includes the characteristics of bacteria, archaea, eukaryotes, and viruses; cell functions and microbial genetics; chemical and physical control methods of microbial growth; and interactions between microbes and humans in relation to pathology, immunology, and the role of normal biota. The laboratory experience focuses on microbiological techniques including culturing, microscopy, staining, identification, and control of microorganisms. This course requires 240 minutes of laboratory per week.

**Program**

Biology

**Hours** 4

**Lab Hours** 2

**Theory Hours** 2

**Prerequisites**

[BIO 103](#) or [BIO 201](#) [Recommended 4 semester hours of Chemistry]

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