



Cellular and Molecular Biology Field Of Emphasis

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This emphasis applies only to the Biology Major, B.S. It does not apply to the Science (Life Science) Major, B.S. (Teacher Licensure). The courses are selected to permit the student to emphasize the area of cellular and molecular biology. The purpose of this emphasis is to prepare students who have special interest in this area to teach, work, or pursue graduate studies.

This emphasis is neither a major nor a minor, but only further restricts the electives of the Biology Major, B.S. The student may complete this emphasis by substituting the courses as outlined below for the required biology electives categories of the Biology Major, B.S. program.

Required Credits: 25

Required GPA: 2.25

I REQUIRED EMPHASIS CORE COURSES

COMPLETE THE FOLLOWING COURSES:

- BIOL 3380 Molecular Genetics: Theory and Practice (4 credits)
- BIOL 3580 Immunology (5 credits)
- BIOL 3590 Cell Biology (4 credits)
- BIOL 3710 Microbiology (4 credits)

II REQUIRED EMPHASIS ELECTIVES

SELECT 8 SEMESTER CREDITS FROM THE FOLLOWING COURSES:

- BIOL 3260 Medical Physiology (4 credits)
- BIOL 3300 Introduction to Hematology (3 credits)
- BIOL 3660 Radiobiology (4 credits)
- BIOL 3755 Medical Microbiology (3 credits)
- BIOL 4270 Histology (4 credits)
- CHEM 4411 Biochemistry I (3 credits)
- CHEM 4471 Biochemistry Laboratory I (1 credit)