

## B.S. in Biochemistry

### Requirements for the B.S. in Biochemistry degree program

General Chemistry	CHM 1045 & 1045L; 1046 and 1046L <b>or</b> CHM 1050 & 1050L; 1051 & 1051L
Analytical Chemistry	CHM 3120 & 3120; 4130 & 4130L
Organic Chemistry	CHM 2210; 2211, 2211L
Biochemistry	BCH 4053; 4054
Physical Chemistry	CHM 4410; 4411
Laboratory elective	CHM 4410L and 4411L; BCH 4053L; CHM 4906 (Honors Work)
<b>Collateral Courses:</b>	
Calculus I and II (calculus III is recommended as preparation for physical chemistry)	MAC 2311; 2312
General Physics (calculus based)	PHY 2048C; 2049C
Biological Science	BSC 2010, 2010L; 2011, 2011L; PCB 3063

An **additional biology elective** chosen from the following list is also required:

BOT 4503	Plant Physiology (offered biennially in even years)
BSC 4804C	Radiation Biology (currently not offered)
MCB 4403	Prokaryotic Biology (offered summer and fall)
PCB 3134	Cell Structure and Function (offered fall and spring)
PCB 3743	Vertebrate Physiology (offered fall, spring, and often summer)
PCB 4024	Molecular Biology (offered fall)
PCB 4233	Immunology (offered spring)
PCB 4514	Advanced Genetics and Molecular Biology (currently not offered)
PCB 4723	General and Comparative Animal Physiology (offered spring)

BCH 4605	Mammalian Biochemistry and Genetics
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No required course with a grade below C- can be applied toward any of the degree programs in the Chemistry Department.

**Minor:** The required courses in biology constitute a minor in Biological Sciences, and no other minor is required.