

**Sample Biophysics BS Course sequence (64 sh):**

First Year -- Fall Semester (8 sh)

**PHY221: University Physics I**  
**MTH151: Calculus I**

Second Year -- Fall Semester (8 sh)

**CHM111: General Chemistry I w/ Lab**  
**BIO111/113: Intro. Cell Biology w/Lab**

Third Year -- Fall Semester (6 sh)

**PHY397: Research Methods I**  
**CHM211: Organic Chem. I w/ Lab**

Fourth Year -- Fall Semester (8 sh)

**EGR371: Bioinstrumentation**  
**ELECTIVE I**

First Year -- Spring Semester (8 sh)

**PHY222: University Physics II**  
**MTH251: Calculus II**

Second Year -- Spring Semester (12 sh)

**CHM112: General Chemistry II w/ Lab**  
**BIO245/246: Principles of Genetics w/ Lab**  
**PHY314: Modern Physics**

Third Year -- Spring Semester (6 sh)

**PHY398: Research Methods II**  
**PHY365: Biophysics**

Fourth Year -- Spring Semester (8 sh)

**ELECTIVE II**  
**ELECTIVE III**

Electives: (12 sh, including 4 sh from PHY)

[Prerequisites in parentheses; bolded are those not already required]

PHY310: Thermodynamics (**MTH 359**, PHY 222)

PHY401: Classical Mechanics (PHY 222)

PHY402: Statistical Mechanics (**PHY 401**)

PHY403: Electrodynamics I (PHY 314)

CHM332: Physical Chemistry (CHM 112, PHY 222, MTH 151)

CHM351: Biochemistry I (**CHM212**)

CHM353: Biochemistry II (**CHM351**)

BIO422: Molecular and Cellular Biology (BIO245)

PHY499: Research (1-4 sh)

PHY481: Internship (1-4 sh)