Required Prerequisite Courses: all of the following:

- Biology: BIOL 1107 (4 cr.)
- Calculus: MATH 1131Q and MATH 1132Q (8 cr.)
- Chemistry: CHEM 1127Q and 1128Q or CHEM 1147Q and CHEM 1148Q (8 cr.)
  or CHEM 1124Q, CHEM 1125Q, CHEM 1126Q (10 cr.)
- Physics: PHYS 1401Q and 1402Q or PHYS 1501Q and 1502Q or PHYS 1601Q and 1602Q (8 cr.)

Required Courses in the Major: all of the following:

- MATH 2110Q Multivariable Calculus (4 cr.) or MATH 2130Q Honors Multivariable Calculus (4 cr.)
- MATH 2210Q Applied Linear Algebra (3 cr.) or MATH 2410Q Elem. Differential Equations (3 cr.) or MATH 2420Q Honors Differential Equations (3 cr.)
- CHEM 2445 Organic Chemistry Lab (3 cr.)
- MCB 3003 Biophysical Chemistry I (3 cr.)
- MCB 3004 Biophysical Chemistry II (3 cr.)
- MCB 3010 Biochemistry (5 cr.)
  or both MCB 2000 Intro. to Biochem. (4 cr.) and MCB 4026W Advanced Biochemistry Lab (4 cr.)
- MCB 4008 Techniques of Biophysical Chemistry (3 cr.)
- MCB 4009 Structure and Function of Biol. Macromolecules (3 cr.)

Writing in the Major: complete at least one of the following:

- CHEM 3170W Technical Communications (3 cr.)
- CHEM 4196W Thesis for UG Chem. Majors (3 cr.)
- MCB 3841W Research Literature in MCB (3 cr.)
- MCB 3842W Investigations in Cancer Cell Biology (3 cr.)
- MCB 3845W Microbial Diversity, Ecology & Evol. (3 cr.)
- MCB 4026W Advanced Biochemistry Laboratory (4 cr.)
- MCB 4997W Honors Research Thesis in MCB (3 cr.)

36-Credit Group: Complete at least 36 credits of 2000-level or higher courses, which must include required courses listed above and may include recommended courses listed below, with an average GPA of at least 2.0.

Recommended Courses:

- Organic Chemistry: CHEM 2443 (3 cr.) and CHEM 2444 (3 cr.)
- CHEM 3332: Quantitative Analytical Chemistry (4 cr.)
- CHEM 4551: Introduction to Quantum Chemistry (3 cr.)
- MATH 3210: Linear Algebra (3 cr.)
- Introduction to Research: MCB 3989 or MCB 4989
- Cell Biology: MCB 2210 or MCB 2215 or MCB 3201 (3 cr.)
- Genetics: MCB 2410 (3 cr.) or MCB 3412 (3 cr.) or MCB 3413 (4 cr.)
- Microbiology: MCB 2610 (4 cr.) or MCB 3617 (4 cr.)
- MCB 3421: Introduction to Molecular Evolution and Bioinformatics (3 cr.)
- MCB 5025: Structure and Function of Biological Membranes (3 cr.)

Credits to date: ______  Current GPA: ______