Advanced Courses

Students must take six additional intermediate or advanced level courses, chosen from biology (e.g., biochemistry, genetics, physiology, physics, chemistry, and/or computer sciences and mathematics). Examples are listed below.

**Biology**

- Introductory Biochemistry (BIOL 0280)
- Genetics (BIOL 0470)
- Principles of Physiology (BIOL 0800)
- Synaptic Transmission and Plasticity (BIOL 1190)

**Physics**

- Advanced Classical Mechanics (PHYS 0500)
- Experiments in Modern, Physics (PHYS 0560)
- Quantum Mechanics A (PHYS 1410)
- Quantum Mechanics B (PHYS 1420)
- Biological Physics (PHYS 1610)

**Mathematics**

- Linear Algebra (MATH 0520)

**Applied Mathematics**

- Methods of Applied Mathematics I, II (APMA 0330/0340 or APMA 0350/0360)

**Chemistry**

- Chemical Biology (CHEM 1230)
- Advanced Organic Chemistry (CHEM 1450)
- Topics in Advanced Chemistry (CHEM 1560)