PRE-APPROVED UPPER-DIVISION ELECTIVE COURSES
A.B. CHEMISTRY

**Atmospheric Science (ATM)**
- 160. Introduction to Atmospheric Chemistry (3)

**Biological Sciences (BIS)**
- 102. Structure and Function of Biomolecules (3)
- 103. Bioenergetics and Metabolism (3)

**Biological Sciences: Molecular and Cell Biology (MCB)**
- 120L. Biochemistry Laboratory (6)
- 121. Molecular Biology of Eukaryotic Cells (3)
- 122. Structure and Function of Proteins (3)
- 123. Analysis of Enzyme and Receptor Systems (3)
- 126. Plant Biochemistry (3)
- 138. Undergraduate Seminar in Biochemistry (1)

**Engineering: Applied Science-Davis (EAD)**
- Any upper division courses

**Engineering: Chemical (ECH)**
- 151. Material Balances (3)

**Engineering: Civil and Environmental (ECI)**
- 140. Environmental Analysis of Aqueous Systems (3)

**Engineering: Materials Science and Engineering (EMS)**
- 147. Principles of Polymer Materials Science (3)

**Environmental Toxicology (ETX)**
- 101. Principles of Environmental Toxicology (3)
- 132. Chromatography for Analytical Toxicology (4)

**Fiber and Polymer Science (FPS)**
- 100. Principles of Polymer Materials Science (3)
- 150. Polymer Syntheses and Reactions (3)

**Food Science and Technology (FST)**
- 103. Physical and Chemical Methods for Food Analysis (5)

**Geology (GEL)**
- 146N. Isotope Geochemistry (3)

**Physics (PHY)**
- Any upper division courses