

September 2014  
**B.S. in Chemical and Biological Engineering**  
***Bioscience Elective List***

**Biochemistry**

BC 401: Comprehensive Biochemistry I  
BC 403: Comprehensive Biochemistry II (BC 401)  
BC 404: Comprehensive Biochemistry Lab (BC 401)

Taking BC 401, 403, and 404 (8 cr.) satisfies the requirements for BC 351 and the bioscience elective, as well as 1 cr. of the technical elective requirement.

**Bioagricultural Sciences and Pest Management**

BSPM 302: Applied and General Entomology  
BSPM 303A: Entomology Lab (BSPM 302)  
BSPM 361: Elements of Plant Pathology

**Biomedical Sciences**

BMS 300: Principles of Human Physiology  
BMS 301: Human Gross Anatomy  
BMS 302: Laboratory in Principles in Physiology (BMS 300/360)  
BMS 360: Fundamentals of Physiology

**Botany/Zoology**

BZ 310: Cell Biology  
BZ 315: Marine Ecology  
BZ 346: Population and Evolutionary Genetics  
BZ 350: Molecular and General Genetics

**Environmental and Radiological Health Sciences**

ERHS 300: Introduction to Radiation Biology  
ERHS 448: Environmental Contaminants: Exposure and Fate

**Life Sciences**

LIFE 201B: Introductory Genetics  
LIFE 202B: Introductory Genetics Recitation (LIFE 201B)  
LIFE 203: Introductory Genetics Laboratory (LIFE 201B)  
LIFE 210: Introductory Eukaryotic Cell Biology  
LIFE 211: Eukaryotic Cell Biology Recitation (LIFE 210)  
LIFE 212: Intro Cell Biology Laboratory (LIFE 210)  
LIFE 320: Ecology

**Microbiology**

MIP 300: General Microbiology  
MIP 301: Fundamental Microbiology Laboratory Techniques (MIP 300)  
MIP 302: General Microbiology Laboratory (MIP 300)

**Soil and Crop Sciences**

SOCR 330: Principles of Genetics  
SOCR 331: Genetics Laboratory (SOCR 330)