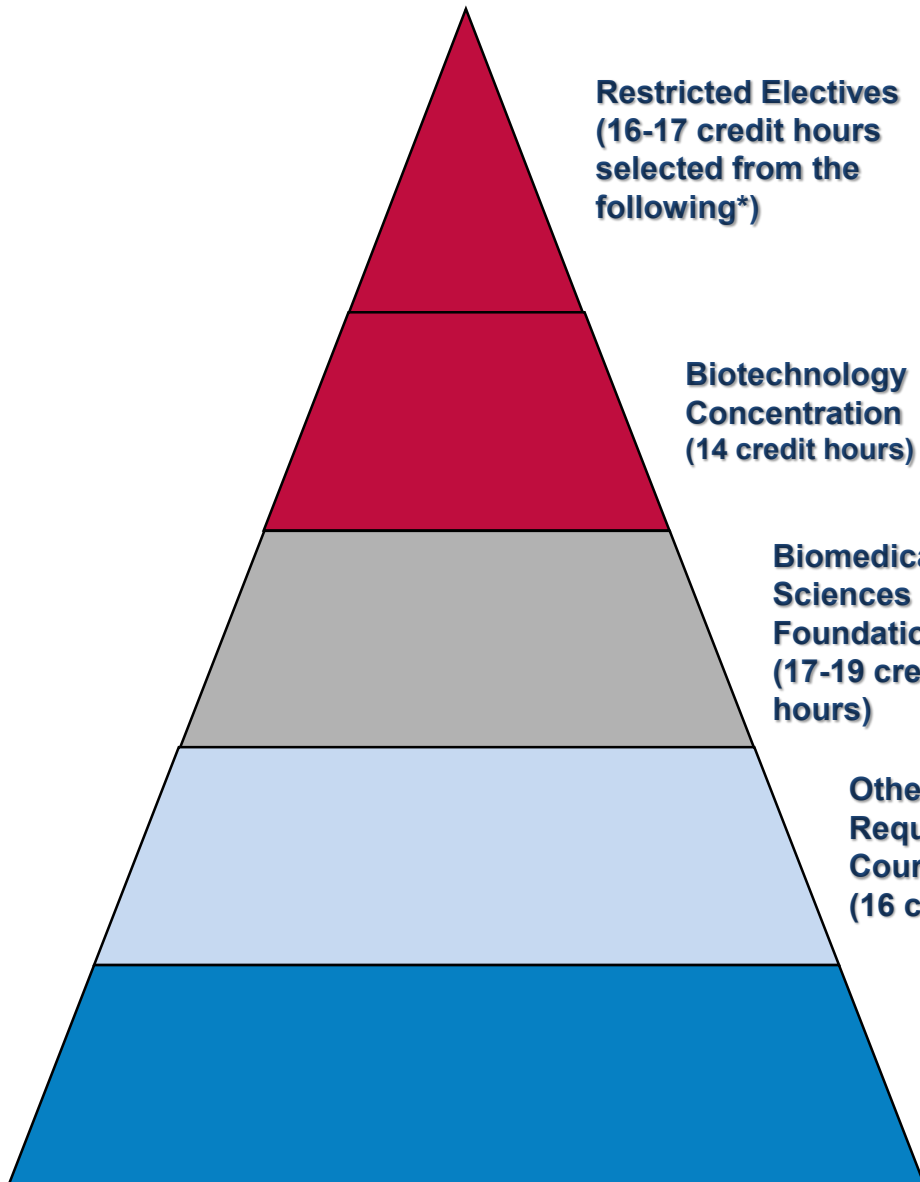


# Biotechnology Concentration



**Restricted Electives  
(16-17 credit hours  
selected from the  
following\*)**



BMD 212/212L: Introduction to Food Science and Lab  
 BMD 252: Human Anatomy & Physiology II  
 BMD 290, 390, 490: Special Topics  
 BMD 335: Human Physiology II  
 BMD 336: Human Physiology Lab (W)  
 BMD 351: Global Health  
 BMD 401: Immunology  
 BMD 403: Molecular Basis of Cancer  
 BMD 410: Pathophysiology

BMD 420: Pharmacology  
 BMD 430: Neuroscience  
 BMD 441: Epidemiology  
 BMD 450: Intro to Research  
 BMD 493: Ethical Issues in Health (W)  
 BMD 494: Directed Studies  
 BMD 499: Honors Research  
 BLY 301: Cell Biology  
 BLY 411: Developmental Biology  
 BLY 459: General Parasitology  
 EMS 210: Medical Terminology

**Biotechnology  
Concentration  
(14 credit hours)**



BMD 350: Human Genetics and Genomics  
 BMD 331: Biotechnology Skills I  
 BMD 451: Biotechnology Skills II  
 BLY 445: Computational Genetics (W)

**Biomedical  
Sciences  
Foundations  
(17-19 credit  
hours)**



BMD 201: Seminars in Biomedical Science  
 BMD 321: Biochemistry I: Molecular Biology  
 BMD 322: Biochemistry II: Metabolism  
 BMD 323: Biochemistry Lab

BMD 311: Human Anatomy **AND**  
 BMD 334: Human Physiology I **OR**  
 BMD 251: Human Anatomy &  
 Physiology I  
 BMD 402: Medical Microbiology **OR**  
 BMD 210/210L: Microbiology in  
 Healthcare and Lab

**Other Pre-  
Requisite  
Courses  
(16 credit hours)**



CH 201/201L: Organic Chemistry I and Lab  
 PH 114/114L: Physics I and Lab  
 BLY 121/121L: General Biology I and Lab  
 ST 210 or 305: Statistics

**General Education  
Courses  
(41 credit hours)  
+ General Electives\*\*  
(14-15 credit hours)**

**Total = 120 Credit Hours**

\* A maximum of 3h of BMD 450, 494, or 499 can count toward major electives

\*\* Students interested in Ph.D. programs in should also take Physics II and Organic Chemistry II