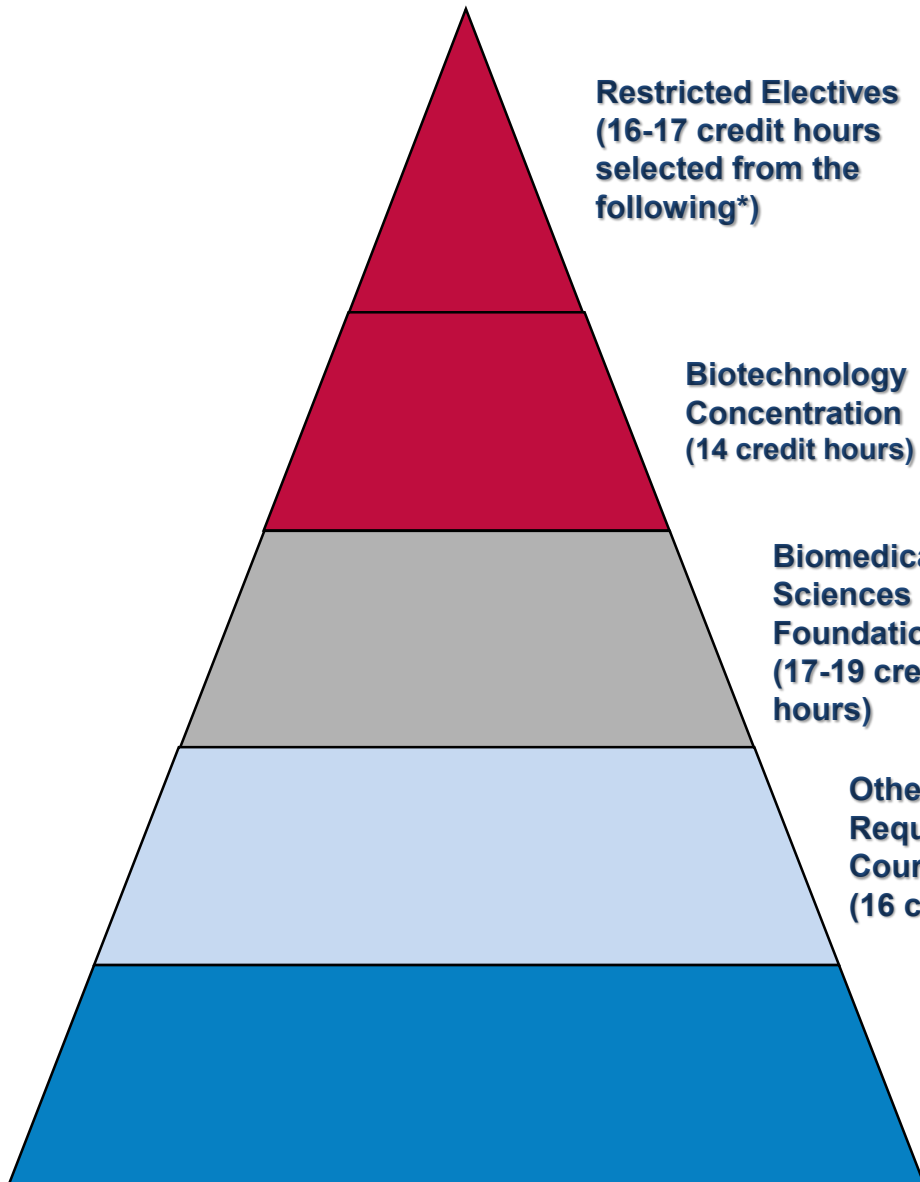


Biotechnology Concentration



**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