Major requirements: BIOLOGY: Human Biology Concentration  

(rev 28 June 2020)

**Required courses in Biology**

- BIOL130 General Biology I
- BIOL131 General Biology II
- BIOL 201 Human Anatomy and Physiology I
- BIOL 202 Human Anatomy and Physiology II
- BIOL 312 Microbiology
- BIOL 320 Genetics
- BIOL 477 Biology Capping
- BIOL 494-498 Biomedical Sciences Internship (1 credit minimum)

7 credits minimum (one must be a 4-credit class which includes a lab) in BIOL courses numbered 300-400 not including internships or research

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**Required courses in Related Fields**

- HLTH 110 Intro to the Health Professions
- PHIL 200 Ethics or a Bioethics class (preferred) - satisfies C/LS Ethics & Justice requirement
- MATH 130 Intro Statistics
- MATH 241 Calculus I OR MATH 131 Intro Statistics II
- CHEM 111 & 115 General Chemistry I & lab
- CHEM 112 & 116 General Chemistry II & lab
- CHEM 201 & 202 Principles of Organic Chemistry & Lab

**Select one of the options below**

(for PA preparation)

- CHEM 301 & 302 Principles of Biochemistry & Lab

OR

(for DPT or AT preparation)

- PHYS 201 College Physics I OR PHYS 211 General Physics I & PHYS 213 Physics Lab I
- PHYS 202 College Physics II OR PHYS 212 General Physics II & PHYS 214 Physics Lab II

9 additional credits in related fields (a maximum of 3 credits from research and/or internships not including the required credit of internship):

- BIOL courses for which BIOL130-131 are prerequisites and are not used to satisfy other requirements for the major
- CHEM courses for which CHEM 131-132 are prerequisites and are not used to satisfy other requirements of the major
- ENSC 306 (En Health), 308 (OSHA), 309 (En Chem), 310 (En Chem Lab), 340 (Epidemiology) and 404 (toxicology)
- HLTH 202 or HLTH 206 (either, but not both)
- other HLTH courses for which BIOL 130-131 are prerequisites

Note: Students who take BIOL201 and/or BIOL202 for credit may not then take BIOL340 and/or BIOL440 for credit, and students who take BIOL340 and/or BIOL440 for credit may not then take BIOL201 and/or BIOL202 for credit.

- HLTH 201 Human Nutrition
- HLTH 300 Kinesiology
- HLTH 301 Exercise Physiology

MATH courses numbered above 131 and are not used to satisfy other requirements of the major

MEDT courses numbered 200-400

PHYS 201, 202 OR PHYS 211, 212 not used to satisfy other requirements of the major

PHYS 213, 214 not used to satisfy other requirements of the major

**Total required credits in the major = 70-75**

In order to meet graduation requirements, the student must have a minimum GPA of 2.0 in all BIOL courses taken to satisfy the major, a minimum GPA of 2.0 in all courses taken to satisfy the major, and an overall minimum GPA of 2.0.
Checklist – C/LS course requirements

_____ FYS 101 – First Year Seminar
   *Transfer students bringing in 24 or more credits are exempt from FYS*

_____ ENG 112 Writing for College

_____ PHIL 101 Philosophical Perspectives

_____ PHIL 200 Ethics or 392 Bioethics (preferred) - (must take before capping – BIOL 477)

_____ History

_____ Literature

_____ Social Science

_____ Fine Art (the class must have an L designation)

_____ Technology Requirement

Pathway___________________________________

_____ Course #1 ________________________________________

_____ Course #2 ________________________________________

_____ Course #3 ________________________________________

_____ Course #4 ________________________________________

*Transfer students who bring in 36 or more credits are exempt from the Pathway requirement.*

All students must also complete a minimum of 36 liberal arts credits, only 6 of which may be contributed from the student’s major field.

Remember that PHIL 200 or 393 (Bioethics) must be taken before the capping class, BIO 477 Biology Capping.