

# Honors Physiology Requirements (90)

## Foundation Courses

- BIOL 107 - Introduction to Cell Biology
- CHEM 101 - Introductory University Chemistry I
- CHEM 102 - Introductory University Chemistry II
- MATH 134 - Calculus for the Life Sciences I
- PHYS 124 - Particles and Waves
- STAT 151 - Introduction to Applied Statistics I

## Senior Courses

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|--|-------------------------------|
| <input type="checkbox"/> BIOCH 200 - Introductory Biochemistry               | <input type="checkbox"/> COMM |
| <input type="checkbox"/> BIOCH 320 - Structure and Catalysis                 | <input type="checkbox"/> COMM |
| <input type="checkbox"/> BIOCH 330 - Nucleic Acids and Molecular Biology     | <input type="checkbox"/> IND  |
| <input type="checkbox"/> BIOL 207 - Molecular Genetics and Heredity          | <input type="checkbox"/> BO__ |
| <input type="checkbox"/> CHEM 261 - Organic Chemistry I                      | <input type="checkbox"/> BO__ |
| <input type="checkbox"/> CHEM 263 - Organic Chemistry II                     | <input type="checkbox"/> BSBS |
| <input type="checkbox"/> PHYSL 212 - Human Physiology I                      | <input type="checkbox"/> BSFS |
| <input type="checkbox"/> PHYSL 214 - Human Physiology II                     | <input type="checkbox"/> BSSS |
| <input type="checkbox"/> PHYSL 372 - Systems Neuroscience                    | <input type="checkbox"/> LAB  |
| <input type="checkbox"/> PMCOL 200 - Drugs - An Introduction to Pharmacology |                               |

### 3 units from:

BIOL 201 - Eukaryotic Cellular Biology \_\_\_\_\_  
CELL 201 - Introduction to Molecular Cell Biology \_\_\_\_\_

### 3 units from:

ANAT 200 - Human Morphology \_\_\_\_\_  
BIOL 330 - Introduction to Biological Data \_\_\_\_\_  
PHYSL 310 - Experimental Techniques in Physiology \_\_\_\_\_

### 3 units from:

PMCOL 371 - Cellular Neuroscience \_\_\_\_\_  
ZOO 342 - Neurobiology \_\_\_\_\_

### 6 units from:

PHYSL at the 400-level \_\_\_\_\_

### 15 units from:

- |  |  |
|--|--|
| <input type="checkbox"/> ANAT 305 - Cross-Sectional Anatomy                            | <input type="checkbox"/> PMCOL 416 - Current Topics in Endocrine Pharmacology                        |
| <input type="checkbox"/> <b>ANAT at the 400-level*</b>                                 | <input type="checkbox"/> PMCOL 475 - Signal Transduction Systems as Pharmacological Targets          |
| <input type="checkbox"/> BIOL 310 - Biology of Aging                                   | <input type="checkbox"/> PSYCH 351 - Spatial Cognition   |
| <input type="checkbox"/> BIOL 330 - Introduction to Biological Data                    | <input type="checkbox"/> PSYCH 354 - Foundations of Cognitive Science                                |
| <input type="checkbox"/> BIOL 380 - Genetic Analysis of Populations                    | <input type="checkbox"/> PSYCH 356 - Research Methods in Cognition                                   |
| <input type="checkbox"/> BIOL 430 - Statistical Design and Analysis in Biology         | <input type="checkbox"/> PSYCH 367 - Perception  |
| <input type="checkbox"/> BIOL 445 - Current Topics in Animal and Cell Physiology       | <input type="checkbox"/> PSYCH 372 - Behavior in Relation to Genetics                                |
| <input type="checkbox"/> BME 320 - Human Anatomy and Physiology: Cells and Tissue      | <input type="checkbox"/> PSYCH 375 - Introduction to Cognitive Neuroscience                          |
| <input type="checkbox"/> BME 321 - Human Anatomy and Physiology: Systems               | <input type="checkbox"/> PSYCH 377 - Human Neuropsychology   |
| <input type="checkbox"/> <b>CELL at the 300 and/or 400-level*</b>                      | <input type="checkbox"/> PSYCH 381 - Principles of Learning  |
| <input type="checkbox"/> LABMP 400 - Introduction to Human Disease                     | <input type="checkbox"/> PSYCH 403 - Recent Advances in Experimental Psychology: Models and Theories |
| <input type="checkbox"/> <b>NEURO at the 400-level*</b>                                | <input type="checkbox"/> PSYCH 413 - Design and Analysis of Experiments in Psychology                |
| <input type="checkbox"/> ONCOL 320 - Introduction to Oncology                          | <input type="checkbox"/> PSYCH 471 - Neurophysiology: Theory, Methods, and Analysis                  |
| <input type="checkbox"/> ONCOL 425 - Advanced Topics in Cancer Research                | <input type="checkbox"/> PSYCH 473 - Advanced Topics in Neuroscience                                 |
| <input type="checkbox"/> <b>PHYSL at the 400-level*</b>                                | <input type="checkbox"/> PSYCH 478 - Behavior and Brain Chemistry                                    |
| <input type="checkbox"/> PMCOL 303 - Introduction to Toxicology                        |  |
| <input type="checkbox"/> PMCOL 305 - An Introduction to the Pharmacology of Drug Abuse |  |
| <input type="checkbox"/> PMCOL 412 - Drugs and the Nervous System                      |  |
| <input type="checkbox"/> PMCOL 415 - Cardiovascular Pharmacology                       |  |

\* Any course in the **subject** at the **level** listed can meet this requirement.

Choose one Stream (12 units total)

**Thesis Stream:**

- PHYSL 468 - Undergraduate Research Thesis I (6 units)
  - PHYSL 469 - Undergraduate Research Thesis II (6 units)
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**Non-Thesis Stream:**

**6 units from:**

PHYSL 467 - Undergraduate Research Project (6 units) (takes up both lines) \_\_\_\_\_

or \_\_\_\_\_

PHYSL 463 - Advanced Topics in Physiology Research I AND \_\_\_\_\_

PHYSL 464 - Advanced Topics in Physiology Research II

**6 units from:**

PHYSL at the 400-level

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