MINOR IN PHYSIOLOGY

Physiology is a highly integrative and complex discipline that provides the foundation for careers in many areas of scientific research, engineering design, clinical practice and public policy. As such, the School of Biological Sciences within the College of Sciences supports this minor concentration in Physiology. The School of Biological Sciences already offers a certificate; thus, the ability to offer a minor with a modest increase in credit hours is feasible and within the capacity of the host School. The curriculum includes both core courses and electives that are currently offered, and provides fundamental training in the structure and function of the human body (anatomy and physiology) as well as in-depth areas within the discipline (muscle physiology, exercise physiology, motor control, neuroanatomy, kinesiology, nutrition) and applications of this knowledge (sport science, medicine).

Minor Program of Study & Guidelines

Program of Study

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BIOS 3753</td>
<td>Human Anatomy</td>
<td>3</td>
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<tr>
<td>BIOS 3755</td>
<td>Human Physiology</td>
<td>3</td>
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**Biological Sciences Electives**

BIOS Elective options (a minimum of 6 BIOS hours is required):

- BIOS 2500  Introduction to Sport Science
- BIOS 3000  Survey of Medicine
- BIOS 3450  Cell and Molecular Biology
- BIOS 3451  Cell and Molecular Biology Lab
- BIOS 3754  Laboratory in Human Anatomy
- BIOS 3756  Physiology Laboratory
- BIOS 4100  Exercise Physiology
- BIOS 4200  Kinesiological Basis of Human Movement
- BIOS 4238  Ion Channels
- BIOS 4400  Human Neuroanatomy
- BIOS 4418  Microbial Physiology
- BIOS 4464  Developmental Biology
- BIOS 4540  Human Motor Control
- BIOS 4699  Undergraduate Research
- BIOS 4803  Special Topics

Non-BIOS elective options:

- BMED 3100  Systems Physiology
- ECE 4781  Biomedical Instrumentation
- LMC 3318  Biomedicine and Culture
- ME 4757  Biofluid Mechanics
- ME 4758  Biosolid Mechanics
- PSYC 2230  Abnormal Psychology
- PSYC 3020  Biopsychology
- PSYC 4090  Cognitive Neuroscience
- PSYC 4100  Behavioral Pharmacology
- NEUR 3001  Cell and Molecular Neuroscience

Total Credit Hours: 15

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1. Students must complete a minimum of 6 credit hours of BIOS courses. The remaining 3 credit hours of electives may be selected from the listed non-BIOS elective options or may be selected from the BIOS courses.

2. A maximum of 6 credit hours of Special Topics courses may be included in a minor program or the student may complete 3 credit hours of Special Topics and 3 credit hours of either Special Problems or Undergraduate Research. Students may not use 6 credit hours of either Special Problems or Undergraduate Research for a minor. BIOS 4699 or BIOS 4803 must be approved by the minor advisor.

- Students must earn ‘C’ or higher in each minor course (no pass/fail credits)
- A maximum of 3 credit hours of transfer credit may be used to satisfy the course requirements for a minor. This includes courses taken at another institution or credit earned through the AP or IB program, assuming the scores meet Georgia Tech minimum standards.
- It is the major advisor's responsibility to verify that students are using only courses from the designated block(s) from the student's major field of study that are allowed to satisfy a minor program, that they are not using any Core Area A-E courses (including humanities and social sciences), and that they are not using any courses for more than one minor or certificate. Any free elective course used to satisfy the course requirements of the student’s major degree program may also be used to satisfy the course requirements for a minor.