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 Applied Physiology within the College of Sciences supports this minor concentration in Physiology. The School of Applied Physiology 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 (http://www.catalog.gatech.edu/academics/minors)

Program of Study

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

Select a minimum of six credit hours from the following: 6

- 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

Select one of the following: 3

- 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

- Students must earn ‘C’ or higher in each minor course (no pass/fail credits)
- 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.
- 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.