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).

Program of Study

Required Courses

- APPH/Biol 3753 Fundamentals of Anatomy 3
- APPH/Biol 3754 Laboratory in Human Anatomy 1
- APPH/Biol 3755 Human Physiology 3
- APPH/Biol 3756 Laboratory in Human Physiology 1

Electives

Select a minimum of four credit hours from the following: 4

- APPH 2500 Introduction to Sport Science
- APPH 3000 Survey of Medicine
- APPH 4100 Exercise Physiology
- APPH 4200 Kinesiological Basis of Human Movement
- APPH 4400 Human Neuroanatomy
- APPH 4600 Muscle Structure and Plasticity
- APPH 4699 Undergraduate Research (3 credits maximum)

Select one of the following: 3

- BIOL 3450 Cell and Molecular Biology
- BIOL 3451 Cell and Molecular Biology Lab
- BIOL 4446 General Animal Physiology I
- BIOL 4464 Developmental Biology, Developmental Genetics
- 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 4100 Behavioral Pharmacology

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.
- 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.

Minor Program of Study & Guidelines (http://www.catalog.gatech.edu/academics/minors)