

Physics — Pre-Physical Therapy (TPHY), Pre-Physician Assistant (APHY)

Freshman

Fall	Hours	Spring	Hours
ENGL 1100 English Composition I		3 ENGL 1120 English Composition II	3
MATH 1610 Calculus I		4 CORE HISTORY I	3
CHEM 1030 Fundamentals Chemistry I ¹		3 CHEM 1040 Fundamental Chemistry II ¹	3
CHEM 1031 Fundamental Chemistry I Laboratory		1 CHEM 1041 Fundamental Chemistry II Laboratory	1
BIOL 1020 Principles of Biology		3 BIOL 1030 Organismal Biology	3
BIOL 1021 Principles of Biology Laboratory		1 BIOL 1031 Organismal Biology Laboratory	1
SCMH 1890 Pre-Health Professions Orientation		1	
	16		14

Sophomore

Fall	Hours	Spring	Hours
CHEM 2070 Organic Chemistry I ³		3 BIOL 3000 Genetics	3
CHEM 2071 Organic Chemistry I Laboratory		1 BIOL 3001 General Genetics Laboratory	1
CORE HISTORY II		3 PSYC 2010 Introduction to Psychology	3
PHYS 1600 Engineering Physics I		4 BIOL 3200 General Microbiology	3
CORE LITERATURE		3 CORE SOCIAL SCIENCE ²	3
COMM 1000 Public Speaking		3 BIOL 3201 General Microbiology Laboratory	1
	17		14

Junior

Fall	Hours	Spring	Hours
BIOL 2500 Human Anatomy and Physiology I		3 BIOL 2510 Human Anatomy and Physiology II	3
BIOL 2501 Human Anatomy and Physiology I Laboratory		1 BIOL 2511 Human Anatomy and Physiology II Laboratory	1
PHYS 1610 Engineering Physics II		4 Psychology Elective	3
MATH 1620 Calculus II		4 PHIL 1030 Ethics and the Health Sciences	3
PSYC 3120 Developmental Psychology		3 MATH 2630 Calculus III	4
CORE FINE ARTS		3	
	18		14

Senior

Fall	Hours	Spring	Hours
PHYS 2200 Introductory Quantum Physics and Relativity		3 PHYS 3200 Statistical Thermodynamics	3
PHYS 3100 Intermediate Electricity and Magnetism		3 PHYS 2300 Physics Laboratory Skills	3
Elective		5 PHYS 3500 Physics of the World Around Us	3
MATH 2650 Linear Differential Equations		3 Elective	2

Total Hours: 121

Long range schedules for COSAM courses are online at <http://aub.ie/cosamlrs> (<http://aub.ie/cosamlrs/>)

Courses in BOLD will be used to calculate GPA in major.

Options for courses labeled CORE are in the Auburn University Bulletin (www.auburn.edu/bulletin) (<http://www.auburn.edu/bulletin/>) under Core Curriculum.

Students must complete all requirements for the major prior to graduation.

Students planning a Physics major should consult with the pre-health advisor.

¹ The Chemistry 1110/1111-1120/1121 sequence can substitute for CHEM 1030/1031-1040/1041. See advisor for details.

² Students who have AP or transfer credit for US History should see an advisor for CORE SOC SCI choices.

³ Students planning a major in Biomedical Sciences should take CHEM 2080/81 as their professional elective in their sophomore or junior year.