

Physics — Pre-Med (MPHY), Pre-Den (DPHY), Pre-Opt (OPHY)

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 CHEM 2080 Organic Chemistry II	3
CHEM 2071 Organic Chemistry I Laboratory		1 CHEM 2081 Organic Chemistry II Laboratory	1
CORE HISTORY II		3 BIOL 3000 Genetics	3
PHYS 1600 Engineering Physics I		4 BIOL 3001 General Genetics Laboratory	1
CORE LITERATURE		3 PHYS 1610 Engineering Physics II	4
		COMM 1000 Public Speaking	3
		14	15

Junior

Fall	Hours	Spring	Hours
BIOL 3200 General Microbiology		3 BIOL 4100 Cell Biology	3
BIOL 3201 General Microbiology Laboratory		1 BIOL 4101 Cell Biology Laboratory	2
MATH 1620 Calculus II		4 PHIL 1030 Ethics and the Health Sciences	3
PSYC 2010 Introduction to Psychology		3 BCHE 5190 Biochemistry II	3
CORE FINE ARTS		3 CORE SOCIAL SCIENCE ²	3
BCHE 5180 Biochemistry I		3	
		17	14

Senior

Fall	Hours	Spring	Hours
MATH 2630 Calculus III		4 PHYS 2100 Intermediate Mechanics	3
PHYS 2200 Introductory Quantum Physics and Relativity		3 PHYS 2300 Physics Laboratory Skills	2
PHYS 3100 Intermediate Electricity and Magnetism		3 MATH 2650 Linear Differential Equations	3
PHYS 3500 Physics of the World Around Us		3 PHYS 3200 Statistical Thermodynamics	3

	Elective ³	6
	13	17

Total Hours: 120

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

Courses in BOLD will be used to calculate GPS 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 should declare a major in the semester they earn 60 hours.

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

Students planning a Physics major should consult with a 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 Total electives required may change with choice of major.