

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

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## 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 <sup>1</sup>		3 CHEM 1040 Fundamental Chemistry II <sup>1</sup>	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	
	<b>16</b>		<b>14</b>

## 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
	<b>14</b>		<b>15</b>

## 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 <sup>2</sup>	3
BCHE 5180 Biochemistry I		3	
	<b>17</b>		<b>14</b>

## 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 <sup>3</sup>	6
	<b>13</b>	<b>17</b>

**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)) (<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.

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

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

<sup>3</sup> Total electives required may change with choice of major.