

# B.A. Physics

**2021-2022 Sample Course Schedule** — *This is a recommended schedule and may be altered as needed. Consult your adviser when making changes. See degree audit for Christian Service requirements.*

<b>FALL</b>		<b>WINTER</b>			
<b>FIRST YEAR</b>					
ENGL 101	Critical Think in Ac Rdg & Wrtg I	3	COMM 135	Comm. & Public Speaking	3
MATH 120	Precalculus Algebra	3	ENGL 102	Critical Think in Ac Rdg & Wrtg II	3
MATH 215	Statistics (IN-4)	3	MATH 121	Pre-calculus Trigonometry	2
PHYS 155	Descriptive Astronomy (IN-7)	3	RELB 125	Life and Teachings of Jesus (R-1)	3
NOND 101	Southern Connections	1	PEAC 125	Fitness for Collegiate Life	1
	Foreign Language <b>or</b> Electives <sup>^</sup>	<u>3</u>		Foreign Language <b>or</b> Electives <sup>^</sup>	<u>3</u>
		<b>16</b>			<b>15</b>
<b>SECOND YEAR</b>					
PHYS 221	University Physics I	4	PHYS 222	University Physics II	4
PHYS 223	University Physics I Lab	1	PHYS 224	University Physics II Lab	1
MATH 191	Calculus I	4	MATH 192	Calculus II	4
	Physical Activity (P-1b)	1		Human Development (IN-8)	3
	RELT 138, 225, <b>or</b> 255 (R-2)	3		Minor Electives	<u>3</u>
	Minor Electives	<u>3</u>			<b>15</b>
		<b>16</b>			
<b>THIRD YEAR</b>					
PHYS 310	Modern Physics	3	MATH 200 <b>or</b>	Elementary Linear Algebra <b>or</b>	2-3
MATH 218	Calculus III	4	MATH 201	Intermediate Linear Algebra	
PHYS 497	Undergrad. Research ( <u>MJ Elective</u> )	1	MATH 315	Differential Equations	3
CPT 100	Computer Concepts	1		U.D. Physics ( <u>MJ Electives</u> )	6
	U.D. Biblical Studies (R-3) (W)	3		U.D. Minor Electives	3
	Aesthetic Analysis (IN-10)	3		Elective (Rec. Advanced Lab)	1
	Physical Activity (P-1b)	<u>1</u>		Elective	<u>0-1</u>
		<b>16</b>			<b>16</b>
<b>FOURTH YEAR</b>					
	Historical Perspectives (IN-6)	3	PHYS 400	Physics Portfolio (rec. elective)	1
	Physics ( <u>MJ Electives</u> )	3	PHYS 480	Scientific Wrtg & Presentation (W)*	1
	Stewardship, Bus, & Econ. (IN-9)	3	PEAC 425	Fit for Hire	1
	U.D. Minor Electives	<u>6</u>	RELT 317	Issues in Phys Sci& Religion (R-4) (W)	3
		<b>15</b>		U.D. Physics ( <u>MJ Electives</u> )	3
				U.D. Minor Electives	3
				U.D. Physics ( <u>MJ Elective</u> )	<u>3</u>
					<b>15</b>
<b>TOTAL HOURS</b>					<b>124</b>

<sup>^</sup>Elementary foreign language or 2 years of foreign language in high school.

\*Preparation for Scientific Writing can be obtained via PHYS 497 the previous semester or as part of a summer research appointment (e.g. through the National Science Foundation Research Experience for Undergraduates program).

\*\*Taught on a 2-year, alternating cycle. See department advisor for details.