B.A. Physics

2014-2015 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.*

	FALL			WINTER	
FIRST YEAR					
CPTR 110	Comp. Thinking for Sci. (I-2-b,c)	3	ENGL 102	College Composition II	3
ENGL 101	College Composition I	3	MATH 121	Pre-calculus Trigonometry	2
MATH 120	Precalculus Algebra	3	RELB 125	Life and Teachings of Jesus	3
PHYS 155	Descriptive Astronomy	3	PEAC 125	Fitness for Collegiate Life (P-1-a)	1
NOND 101	Southern Connections	1	COMM 135	Intro to Public Speaking	3
	History (I-3-a)	3		Aesthetic & Skills Dev. (S-3)	3
		16			**15**
SECOND YEAR					
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-1-b)	1		Personal/Social Adj. (S-2)	3
	RELT 138, 225, **or** 255	3		Minor Electives	3
	Minor Electives	3			**15**
		16			
THIRD YEAR					
PHYS 310	Modern Physics	3	PHYS 412	Quantum Mechanics	3
MATH 218	Calculus III	4	MATH 315	Differential Equations	3
PHYS 497	Undergrad. Research (MJ Elective)	1		U.D. Physics (MJ Electives)	3
	U.D. Biblical Studies (R-3)(W)	3		Foreign Language (I-3-c)	3
	Foreign Language (I-3-c)	3		U.D. Minor Electives	3
	Health Science (P-2)	2		Physical Activity (P-1-b)	1
		16			**16**
FOURTH YEAR					
PHYS 480	Scientific Wrtg & Presentation (W)*	1	PHYS 400	Physics Portfolio (elective)	1
	Physics (MJ Electives)	3	RELT 317	Issues in Phys Science & Religion	3
	Econ. & Bus. Basics (I-5)	3	PEAC 425	Fit for Hire (P-1-c)	1
	U.D. Minor Electives	6		U.D. Physics (MJ Electives)	3
	Elective	3		U.D Aesthetic & Skills Dev. (S-3) (W)	3
		16		U.D. Minor Electives	3
					14
			TOTAL HOURS		**124**

*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).