

Physics - Astronomy Concentration – B.S. (PHAS)

Recommended Four-Year Plan (Fall 2014)

This recommended four year plan is provided as an **outline** for you to follow in order to plan of degree completion within four years. This plan is a **recommendation** and not intended to serve as a substitute for meeting, and checking your selections, with your academic advisor. Please note that this plan assumes that no developmental courses are required. If you are required to take developmental courses you will need to adjust the plan below, and should again consult with your academic advisor to do so. --

First Year

Fall Semester	HRS	✓	Spring Semester	HRS	✓
PHYS 191 University Physics I (Gen Ed Nat/Physical Sci)	4		PHYS 192 University Physics II	4	
MATH 122 Calculus I (Gen Ed Math)	4		MATH 221 Calculus II	4	
MATH 102 New Stud. Exp. for Math	1		ENWR 106 College Writing II	3	
ENWR 105 College Writing I	3		CMST 101 Fundamentals of Speech	3	
CSIT 111 Foundations of Programming I (Gen Ed Comp Sci)	3		Physical Ed Gen Ed	1	
TOTAL	15		TOTAL	15	

Second Year

Fall Semester	HRS	✓	Spring Semester	HRS	✓
CHEM 120 General Chemistry I	4		CHEM 121 General Chemistry II	4	
MATH 222 Calculus III	4		PHYS 240 Electricity & Magnetism	4	
PHYS 210 Mechanics	4		MATH 420 Differential Equations	4	
General Ed. – Fine & Performing Arts	3		World Cultures Gen Ed	3	
TOTAL	15		TOTAL	15	

Third Year

Fall Semester	HRS	✓	Spring Semester	HRS	✓
PHYS 350 Optics	4		PHYS 460 Modern Physics	4	
PHYS 280 Astronomy	4		PHYS 380 Observational Astronomy	4	
World Language Requirement	3		World Language Requirement	3	
General Ed. – American/European History	3		General Ed. – Social Science	3	
General Ed. – World Lit/General Humanities	3		Free Elective	3	
TOTAL	17		TOTAL	17	

Fourth Year

Fall Semester	HRS	✓	Spring Semester	HRS	✓
PHYS 480 Astrophysics	3		PHYS 495 Laboratory Research in Physics	3	
General Ed. – Philosophy/Religion	3		General Ed. – Non-Western Cultural Perspectives	3	
General Education Elective	3		Free Elective	4	
EAES 101 Planet Earth	4		STAT 401 Applied Statistics for Sciences	3	
TOTAL	13		TOTAL	13	

Total Required: 120 credits