

Physics – B.S. (PHYE)

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 Science Lab)	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		CHEM 121 – General Chemistry II	4	
CHEM 120 General Chemistry	4		EDFD 200 – Educational Psychology – Gen Ed	3	
Physical Ed. Gen Ed	1				
TOTAL	17		TOTAL	18	

Second Year

Fall Semester	HRS	✓	Spring Semester	HRS	✓
CMST101 – Fundamentals of Speech – Gen ed	3		PHYS 240 Electricity & Magnetism	4	
MATH 222 Calculus III	4		EDFD 220 – Philosophical Orientation to Ed – Gen Ed	3	
PHYS 210 Mathematics (Gen Ed Elective L)	4		CSIT 111 – Fundamentals of Programming I	3	
EDFD 221 – Historical Foundations of Ed. - Gen Ed	3		World Language Requirement	3	
General Ed. – Non-Western Cultural Persp.	3		SASE 210 – Public Purposes of Education	3	
TOTAL	17		TOTAL	16	

Third Year

Fall Semester	HRS	✓	Spring Semester	HRS	✓
PHYS 350 Optics	4		PHYS 460 – Modern Physics	4	
PHYS Elective (see dept list)	3		PHYS Elective (see dept list)	3	
World Language Requirement	3		MATH 420 Differential Equations	4	
SASE 305 – Teaching for Equity & Diversity	3		SASE 314 Assessment of Learning	1	
SASE 312 – Educating English Language learners	1		SASE 316 Integrating Technology Across School	1	
SASE 310 – Inclusion in the Middle & Secondary Schools	1		READ 411 Language & Literacy Across Curriculum	3	
TOTAL	15		TOTAL	16	

Fourth Year

Fall Semester	HRS	✓	Spring Semester	HRS	✓
PHYS Elective (see dept list)	8		SASE 452 Teaching for Learning II	3	
SASE 450 Fieldwork	3		SASE 453 Student Teaching	8	
SASE 451 Teaching for Learning I	3		General Ed. – World Lit/General Humanities	3	
PHED 401 The Teaching of Science in Secondary Schools	3		General Ed. – Fine & Performing Arts	3	
TOTAL	13-14		TOTAL	17	

Total Required: 120 credits