

Physics with Secondary Teaching Certification (B.A.)
(Department of Information and Mathematical Sciences)

Major Requirements

<u>Major Courses</u>	<u>Credits</u>	<u>Semester Completed</u>
[CHEM 105] General Chemistry I	4	
[CHEM 495] Capstone Natural Sciences Capstone course	3	
[CIS 181] Computer Programming I	3	
[EDSP 207] Intro to Special Education	3	
[EDSP 307] Inclusion Practices	3	
[EDUC 201] Education and American Society	3	
[EDUC 203] Educational Psychology	3	
[EDUC 308] Instruction and Assessment with English Language Learners	3	
[EDUC 331] Instructional Design and Assessment for Middle and Secondary Grades	3	
[EDUC 420] Professional Issues in Education	2	
ENGL xxx (ENGL122-176)	3	
[ENGR 367] Electromagnetics	3	
[ENGR 371] Thermodynamics	3	
[MATH 111] Calculus I or [MATH 109] Calculus I Part I (4) and [MATH 110] Calculus I, Part II (3)	4-7	
[MATH 112] Calculus II	4	
[MATH 211] Calculus III	4	
[MATH 270] Advanced Math for the Sciences	3	
[PHYS 211] General Physics I	4	
[PHYS 212] General Physics II	4	
[PHYS 251] Modern Physics	4	
[PHYS 307] Secondary Physics Instruction	2	
[PHYS 407] Professional Issues in Secondary Physics Education	1	
[PHYS 328] Mechanics	3	
[PHYS 402] Quantum Mechanics	3	
[PHYS 494] Senior Physics Seminar	2	
Writing course in major		
<i>One of the following:</i>	3	
[PHIL 101] Problems in Philosophy (3)		
[PHIL 102] History of Philosophy (3)		
[PSYC 311]/[HDFS 311] Adolescent Development	3	
[STAT 291] Statistics for Mathematical Sciences	3	
[TEP 210] Sophomore Field Experience	0	
[TEP 310] Junior Field Experience	0	
[TEP 410] Secondary PreStudent Teaching Experience	0	
[TEP 435] Student Teaching: Secondary	8	

General Education requirements on next page

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<u>Courses</u>	<u>Credits</u>	<u>Semester Completed</u>
First Year Seminar	3	
Oral Communications	3	
Created and Called for Community	3	
Mathematical Sciences	3 or 4	Met by major
Laboratory Science	3 or 4	Met by major
Science, Technology, & the World	3	Waived
Two of the following:	6	
Social Science (3 credits)		Met by major
European History (3)		
U.S. History (3)		
Literature	3	Met by major
Philosophy and Religion ([PHIL 101] or [PHIL 102])	3	Met by major
Arts	3	
Language/Cross Cultural	9	
Non-western studies	2-3	Waived
Bible	3	
Christian Beliefs ([THEO 223] required to waive Non-western)	3	
Health and Physical Education		
Introduction to Wellness	2	
Activity Course	1	
One of the following	3	Waived
Ethics (3)		
World Views (3)		
Pluralism (3)		
Writing Enriched Course		

SUMMARY OF DEGREE REQUIREMENTS:

General Education	33
Major Requirements	94-97
Total	127-130