

**Purdue University North Central
Education Department
SECONDARY EDUCATION - PHYSICAL SCIENCE PROGRAM PLANNING SHEET (EFFECTIVE SPRING 2012)**

NAME

FRESHMAN YEAR - 1st Semester (15 Credits Required)			
Course Title	Course #	Crs.	Grade
General Chemistry I	CHM 11500	4	
Plane Analytical Geometry and Calculus I	MA 16700	5	
English Composition I	ENGL 10100	3	
First Year Experience	GS 19100	3	

FRESHMAN YEAR - 2nd Semester (16 Credits Required)			
Course Title	Course #	Crs.	Grade
General Chemistry II	CHM 11600	4	
Plane Analytical Geometry and Calculus II	MA 16900	5	
English Composition II	ENGL 10200	3	
Fundamentals of Speech Communication	COM 11400	3	
Introduction to Teaching Seminar	EDCI 10500	1	

SOPHOMORE YEAR - 1st Semester (14 Credits Required)			
Course Title	Course #	Crs.	Grade
Exploring Teaching as a Career	EDCI 20500	3	
Analytical Chemistry	CHM 32100	4	
Introduction to Organic and Biochemistry <i>OR</i>	CHM 21100	4	
Organic Chemistry I with lab	CHM 25500/01	4	
Humanities/Social Science Elective	Elective	3	

SOPHOMORE YEAR - 2nd Semester (16 Credits Required)			
Course Title	Course #	Crs.	Grade
Science Elective	Elective	3	
Humanities/Social Science Elective	Elective	3	
Multiculturalism in Secondary Classrooms	EDCI 28600	3	
Integrating Technology in the Classroom	EDCI 27200	3	
Mechanics	PHYS 15200	4	

SOCIAL SCIENCE ELECTIVES (12 credit hours): *

* Selected in consultation with your academic advisor

ID#

JUNIOR YEAR - 1st Semester (13-14 Credits Required)			
Course Title	Course #	Crs.	Grade
Heat, Electricity, and Optics <i>OR</i>	PHYS 25100	5	
Electricity and Optics	PHYS 26100	4	
Adolescent and Young Adult Development	EDPS 30600	3	
Classroom Climate - Secondary	EDPS 30700	3	
Humanities/Social Science Elective	Elective	3	

JUNIOR YEAR - 2nd Semester (17 Credits Required)			
Course Title	Course #	Crs.	Grade
Environmental Chemistry	CHM 48100	3	
Physical Chemistry	CHM 37200	4	
Exceptional Learners - Secondary	EDPS 30800	3	
English Language Learners	EDCI 32200	3	
Modern Physics and Modern Physics Lab	PHYS 34200/ PHYS 34200L	4	

SENIOR YEAR - 1st Semester (15 Credits Required)			
Course Title	Course #	Crs.	Grade
Humanities/Social Science Elective	Elective	3	
Science Elective	Elective	3	
Science Elective	Elective	3	
Reading in Middle and Secondary Schools	EDCI 30900	3	
Strategies for Science Instr. in Mdl & High School	EDCI 34600	3	

SENIOR YEAR - 2nd Semester (12 Credits Required)			
Course Title	Course #	Crs.	Grade
Student Teaching the Secondary School	EDCI 49500	12	

118-119 Credit Hours

SCIENCE ELECTIVES: *

Must choose three (3) additional courses, one of which must be a lab science course:

- ASTR 26300 - Descriptive Astronomy-Solar System
- ASTR 26400 - Descriptive Astronomy-Stars and Galaxies
- EAS 10400 - Oceanography
- EAS 11300 - Introduction to Environmental Science
- EAS 12000 - Introduction to Geography
- PHYS 30300 - History and Philosophy of Science

* Other courses may satisfy these requirements.

Praxis I: M- R- W-
Praxis I: M- R- W-
Praxis II:

Purdue University is currently in the process of aligning Teacher Education programs to those set by the Department of Education. Program and/or testing requirements are subject to change.