

**Purdue University North Central
Education Department**

SECONDARY EDUCATION - CHEMISTRY 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	
Freshman Year Experience	GS 19100	3	
English Composition I	ENGL 10100	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 (15 Credits Required)			
Course Title	Course #	Crs.	Grade
Organic Chemistry I and Laboratory I	CHM 26100/ 26300	4	
Multivariate Calculus	MA 26100	4	
Exploring Teaching as a Career - Secondary	EDCI 20500	3	
Mechanics	PHYS 15200	4	

SOPHOMORE YEAR - 2nd Semester (17-18 Credits Required)			
Course Title	Course #	Crs.	Grade
Organic Chemistry II and Laboratory II	CHM 26200/ 26400	4	
Multiculturalism in Secondary Classrooms	EDCI 28600	3	
Integrating Technology in the Classroom	EDCI 27200	3	
Humanities/Social Science Elective	Elective	3	
Heat, Electricity and Optics OR	PHYS 25100	5	
Electricity and Optics	PHYS 26100	4	

HUMANITIES / SOCIAL SCIENCE ELECTIVES (9 credit hours): *

* Selected in consultation with your academic advisor

ID#

JUNIOR YEAR - 1st Semester (16 Credits Required)			
Course Title	Course #	Crs.	Grade
Analytical Chemistry	CHM 32100	4	
Adolescent and Young Adult Development	EDPS 30600	3	
Classroom Climate - Secondary	EDPS 30700	3	
Biochemistry	CHM 33300	3	
Science Elective	Elective	3	

JUNIOR YEAR - 2nd Semester (16-17 Credits Required)			
Course Title	Course #	Crs.	Grade
Physical Chemistry	CHM 37200	4	
Exceptional Learners - Secondary	EDPS 30800	3	
English Language Learners	EDCI 32200	3	
Humanities/Social Science Elective	Elective	3	
Science Elective	Elective	3-4	

SENIOR YEAR - 1st Semester (15-17 Credits Required)			
Course Title	Course #	Crs.	Grade
Science Elective	Elective	3-4	
Humanities/Social Science Elective	Elective	3	
Chemistry Elective	CHM 37300 / 48100	3	
Strategies for Science Inst. in Middle and High School	EDCI 34600	3	
Reading in Middle and Secondary Schools	EDCI 30900	3	

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

122-126 Credit Hours

SCIENCE ELECTIVES:

- ASTR 26300 - Descriptive Astronomy-Solar System
- ASTR 26400 - Descriptive Astronomy-Stars and Galaxies
- BIOL 11000 - Fundamentals of Biology I
- BIOL 11100 - Fundamentals of Biology II
- EAS 11300 - Introduction to Environmental Science
- PHYS 34200/34200L - Modern Physics and Modern Physics Laboratory
- STAT 31100 - Introduction to Probability
- STAT 35000 - Introduction to Statistics

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.