

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

NAME:

ID#

FRESHMAN YEAR - 1st Semester (16 Credits Required)			
Course Title	Course #	Crs.	Grade
Humanities/Social Science Elective	Elective	3	
Freshman Year Experience	GS 19100	3	
English Composition I	ENGL 10100	3	
Biology I	BIOL 12100	2	
Laboratory in Biology I	BIOL 11600	1	
General Chemistry I	CHM 11500	4	

JUNIOR YEAR - 1st Semester (16-18 Credits Required)			
Course Title	Course #	Crs.	Grade
Science Elective (Molecular and Cellular)	Elective	3-5	
General Physics and Lab	PHYS 22000	4	
Adolescent and Young Adult Development	EDPS 30600	3	
Classroom Climate Sec.	EDPS 30700	3	
Science Elective (Structure and Function)	Elective	3	

FRESHMAN YEAR - 2nd Semester (18 Credits Required)			
Course Title	Course #	Crs.	Grade
Fundamentals of Speech Communication	COM 11400	3	
English Composition II	ENGL 10200	3	
Biology II	BIOL 13100	3	
Laboratory in Biology II	BIOL 11800	1	
General Chemistry II	CHM 11600	4	
Intro Analysis	MA 22300	3	
Introduction to Teaching Seminar	EDCI 10500	1	

JUNIOR YEAR - 2nd Semester (15-17 Credits Required)			
Course Title	Course #	Crs.	Grade
Elementary Statistical Methods	STAT 30100	3	
Exceptional Learners - Secondary	EDPS 30800	3	
English Language Learners	EDCI 32200	3	
Science Elective (Molecular & Cellular)	Elective	3-5	
Science Elective (Evolution)	Elective	3	

SOPHOMORE YEAR - 1st Semester (17 Credits Required)			
Course Title	Course #	Crs.	Grade
Cell Structure and Function	BIOL 23100	3	
Cell Structure and Function Lab	BIOL 23200	2	
Intro. to Ecology and Evolution	BIOL 28600	2	
Intro. to Ecology and Evolution Lab	BIOL 28800	2	
Exploring Teaching as a Career	EDCI 20500	3	
Organic Chemistry with lab	HEM 25500/0	5	

SENIOR YEAR - 1st Semester (18-20 Credits Required)			
Course Title	Course #	Crs.	Grade
Science Elective (Ecology & Environmental)	Elective	3-5	
Humanities/Social Science Elective	Elective	3	
Reading in Middle and Secondary Schools	EDCI 30900	3	
Strategies for Science Instr. in Middle and High Sch	EDCI 34600	3	
Science Elective (Structure and Function)	Elective	3	
Science Elective (Evolution)	Elective	3	

SOPHOMORE YEAR - 2nd Semester (18 Credits Required)			
Course Title	Course #	Crs.	Grade
Organic Chemistry with lab	HEM 25600/0	4	
Multiculturalism in Secondary Classrooms	EDCI 28600	3	
Integrating Technology in the Classroom	EDCI 27200	3	
Genetics and Molecular	BIOL 24100	3	
Genetics and Molecular Lab	BIOL 24200	2	
Science Elective (Ecology and Environment)	Elective	3	

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

**130-136 TOTAL CREDIT HOURS**

**SCIENCE ELECTIVES:**

Choose from within the following areas and in consultation with your advisor:

**Molecular and Cellular:**

BIOL 41500 - Molecular Biology

CHM 33300 - Biochemistry

**Structure and Function:**

BIOL 21300 or 21400 - Human Anatomy and Lab

BIOL 32200 and BIOL 32300 - Microbiology and Lab

BIOL 45500 and BIOL 49500 - Animal Physiology and Lab

BIOL 46600 - Developmental Biology

**Evolution:**

BIOL 31100 - Evolution

BIOL 43300 - Population Genetics

**Ecology and Environmental:**

BIOL 38500 - Ecology

BIOL 48300 - Environmental and Conservation Biology

Praxis I: M-            R-            W-

Praxis I: M-            R-            W-

Praxis II:

**SOCIAL SCIENCE ELECTIVES (6 credit hours): \***

\* Selected in consultation with your academic advisor

*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.*