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BS: Secondary Education — Biology (125 S.H. required to complete the degree)

Name:_____ Adviser:_____

WESTERN CONNECTICUT STATE UNIVERSITY

General Education Requirements (43 S.H.)

COMMUNICATION SKILLS (3 S.H.)* Choose one of the following: COM 160 Public Speaking*, COM 161 Decision Making in Groups*, COM 162 Interpersonal Communication* **or** COM 163 Introduction to Communication Skills*		
COM:	3	
WRITING INTENSIVE (W) * All students must complete at least one writing intensive course. W courses can be found in several disciplines. The credits will be counted in the discipline associated with the course. *NOTE: WRT101 does not satisfy the writing intensive requirement.*		
Writing Intensive*	Y/N	
HUMANITIES (15 S.H.) Humanities courses can be found in seven areas including: Communications, Fine and Applied Arts *NOTE: Students may only use one studio course to satisfy this requirement)*, Foreign Languages, Humanistic Studies, Literature, Philosophy, and Western History. You must complete courses in at least three areas. *NOTE: You must complete the foreign language requirement (Elementary II or higher) before counting Elementary I foreign language courses as Humanities credit.*		
Fine/Applied Arts:	3	
HIS 148 American History to 1877 **or** HIS 149 American History from 1877	3	
Elective:	3	
Elective:	3	
Elective:	3	
SOCIAL AND BEHAVIORAL SCIENCES (12 S.H.) Courses that satisfy this requirement can be found in Social Sciences (Anthropology, Economics, Political Science, Social Sciences, and Sociology), Non-Western Cultures and Psychology. You must complete in 2 of the 3 areas.		
PSY 100 Introduction to Psychology *	3	
Elective:	3	
Elective:	3	
Elective:	3	
NATURAL SCIENCES, MATHEMATICS AND COMPUTER SCIENCE (11 S.H.) Students must complete two lab science and a math courses.		
Lab Science: CHE 110 General Chemistry I*	4	
Lab Science: CHE 111 General Chemistry II*	4	
MAT 115 Introduction to Biostatistics **or** MAT 120 Elementary Statistics	3	
HEALTH PROMOTION AND EXERCISE SCIENCES (2 S.H.)		
HPX 177 Fitness for Life — Lecture	1	
HPX 177 Fitness for Life — Activity	1	

*C or better is required for courses.
**B or better is required for courses.

NOTES

Major Requirements (82 S.H.)

BIOLOGY MAJOR REQUIREMENTS (40 S.H.) MINIMUM 3.0 G.P.A.		
BIO 103 General Biology I	4	
BIO 104 General Biology II	4	
BIO 200 Ecology	4	
BIO 205 Animal Physiology	4	
BIO 300 Cell Biology	4	
BIO 312 Genetics	4	
BIO 325 Evolutionary Biology	3	
BIO 360 Scientific Communication	2	
BIO 490 Senior Research	3	
CHE 210 Organic Chemistry I	4	
CHE 211 Organic Chemistry II	4	
SECONDARY EDUCATION CERTIFICATION REQUIREMENTS (35 S.H.)		
EPY 204 Adolescent Development in School Setting **	3	
ED 206 Introduction to Education **	3	
HPX 215 Health Issues in the Schools **	3	
PROFESSIONAL SEMESTER — COMPLETED AS 13 S.H. BLOCK		
EPY 405 Introduction to Special Education **	3	
ED 385 Methods of Teaching in the Secondary Schools **	3	
ED 386 Secondary Ed. Prof. Development School Experience **	1	
ED 440 Integrating Language**	3	
ED 442 Teaching Science in Secondary Schools**	3	
STUDENT TEACHING — COMPLETED AS 13 S.H. BLOCK		
ED 340 Assessment of Teaching Strategies	1	
ED 342 Student Teaching	12	
FREE ELECTIVES (7 S.H.)		
Elective:	3	
Elective:	3	
Elective:	1	
EXAMS FOR STATE CERTIFICATION		
CT Foundations of Reading		
Praxis I (or waiver) Required for admittance to program		
Praxis II		
LICENSE		
TK 20		

Free electives offer an opportunity to complete a minor, study a second language, study abroad, or participate in an internship. Make a plan.

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Four-Year Plan This is a sample sequence of courses. Other combinations are possible.

Prerequisites are in parentheses; see catalog for details.
Class standing by credit: Freshman: 0-29 credits; Sophomore: 30-59 credits; Junior: 60-89 credits; Senior: 90+ credits

FIRST YEAR (32 S.H.)	SEMESTER 1 (16 S.H.)			SEMESTER 2 (16 S.H.)		
	Writing Intensive	3		Gen Ed: PSY 100 Introduction to Psychlogy	3	
	Gen. Ed: HIS 148 American History to 1877 **or** HIS 149 American History from 1877	3		Gen Ed: Social and Behavioral Sciences	3	
	Gen. Ed: Humanities (foreign language if required)	3		Gen Ed: Humanities (foreign language if required)	3	
	Gen. Ed: COM 160, 161,162 or 163	3		Gen Ed: MAT 115 Introduction to Biostatistics **or** MAT 120 Elementary Statistics	3	
	BIO 103 General Biology I	4		BIO 104 General Biology II	4	

SECOND YEAR (34 S.H.)	SEMESTER 3 (17 S.H.)			SEMESTER 4 (17 S.H.)		
	Gen. Ed: CHEM 110 General Chemistry I	4		Gen. Ed: CHEM 111 General Chemistry II	4	
	Gen. Ed: Social and Behavioral Sciences	4		Free Elective	3	
	Gen. Ed: Fine Art	3		BIO 205 Animal Physiology (BIO 104 or BIO 110)	4	
	BIO 200 Ecology (BIO 103 and BIO 104)	3		EPY 204 Adolescent Development in School Setting (completion of 30 credits of course work and cumulative GPA ≥ 2.67)	3	
	ED 206 Introduction to Education	3		HPX 215 Health Issues in the Schools	3	

THIRD YEAR (32 S.H.)	SEMESTER 5 (16 S.H.)			SEMESTER 6 (16 S.H.)		
	BIO 312 Genetics (BIO 103, BIO 104 and junior standing)	4		BIO 490 Senior Research (BIO 360 and GPA ≥3.0 in major. Faculty sponsor may require completion of BIO 299 prior to submission of written proposal))	3	
	Free Elective	3		CHEM 211 Organic Chemistry II (CHEM 210)	4	
	BIO 360 Scientific Communication (Junior standing) – Spring only	2		BIO 300 Cell Biology (junior standing in Biology and one semester of organic chemistry)	4	
	CHEM 210 Organic Chemistry I(CHEM 110 and CHE 111 with grade of C or higher)	4		BIO 325 Evolutionary Biology (BIO 312 or permission of instructor)	3	
	Gen. Ed: Social and Behavioral Sciences **or** Humanities	3		HPX 177 (lecture and activity)	2	
	Complete a degree audit and plan for application for graduation					

FOURTH YEAR (26 S.H.)	SEMESTER 7 (13 S.H.)			SEMESTER 8 (13 S.H.)		
	EPY 405 Introduction to Special Education (EPY 203 or 204 OR PSY 210 or 211)	3		ED 340 Assessment of Teaching Strategies	1	
	ED 385 Methods of Teaching in Secondary Schools (enrollment in professional semester)	3		ED 342 Student Teaching	12	
	ED 386 Secondary Professional Development School Experience (enrollment in professional semester)	1				
	ED 440 Integrating Language (enrollment in professional semester)	3				
	ED 442 Teaching Science in Secondary Schools (enrollment in professional semester)	3				

The Education Department requirements are outlined on the department website. Please note requirements for admission to the program, exams, certifications, professional education fees and student teaching policies.