Biology, BS

The BS in biology curriculum lays the groundwork for strong scientific training with basic course work in mathematics, chemistry, and physics, relevant to biology. Students explore the organization and processes of life across broad areas of the field, from molecules and cells through organs and organ systems to populations, ecosystems, and evolution. Students can select advanced electives to specialize in a subdiscipline of biology such as developmental biology, stem cell biology, microbiology, or physiology.

Program Requirements

Complete all courses listed below unless otherwise indicated. Also complete any corequisite labs, recitations, clinicals, or tools courses where specified and complete any additional courses needed beyond specific college and major requirements to satisfy graduation credit requirements.

Universitywide Requirements

All undergraduate students are required to complete the Universitywide Requirements (http://catalog.northeastern.edu/undergraduate/university-academics/university-wide-requirements/).

NUpath Requirements

BIOL 2327

BIOL 3401

BIOL 3403

BIOL 3413

All undergraduate students are required to complete the NUpath Requirements (http://catalog.northeastern.edu/undergraduate/university-academics/nupath/).

Biology Major Requirements		
Code	Title	Hours
Introduction to College		
BIOL 1000	Biology at Northeastern	1
or INSC 1000	Science at Northeastern	
Experiential Learning Introduction		
EESC 2000	Professional Development for Co-op	1
Required Biology		
Foundations		
BIOL 1107	Foundations of Biology	5
and BIOL 1108	and Lab for BIOL 1107	
Inquiries		
BIOL 2299	Inquiries in Biological Sciences	4
Genetics		
BIOL 2301 and BIOL 2302	Genetics and Molecular Biology and Lab for BIOL 2301	5
Project Lab		
BIOL 2309	Biology Project Lab	4
Biochemistry		
BIOL 3611	Biochemistry	5
and BIOL 3612	and Lab for BIOL 3611	
Biology Capstone		
Code	Title	Hours
Please complete one of the following option	ons to fulfill the capstone requirement:	1-4
BIOL 4701	Biology Capstone	
BIOL 4971	Junior/Senior Honors Project 2	
BIOL 4900	Biology Research Capstone (concurrent with BIOL 4991 or BIOL 4994)	
Biology Major Electives		
Code	Title	Hours
Organismal and Evolutionary Biology		
Complete one of the following:		4-5

Human Parasitology

Animal Behavior

Comparative Vertebrate Anatomy

Current Topics in Organismal and Population Biology

2	Biology, BS		
F	EMB 2302	Ecology	
	nd EEMB 2303	and Lab for EEMB 2302	
Е	EMB 2400	Introduction to Evolution	
Е	EMB 2700	Marine Biology	
aı	nd EEMB 2701	and Lab for EEMB 2700	
E	EMB 3460	Conservation Biology	
Е	EMB 3466	Disease Ecology	
Inte	rmediate and Advanced Biology		
Com	plete three additional 4– or 5-semester-	-hour courses from the following:	12-15
В	IOL 2321 to BIOL 3999		
В	IOL 4705	Neurobiology of Cognitive Decline	
В	IOL 4707	Cell and Molecular Biology	
В	IOL 5000 to BIOL 5999		
Е	EMB 2290 to EEMB 5515		
Е	EMB 5520 to EEMB 5535		
Е	EMB 5548 to EEMB 5569		
Е	NVR 5242	Ancient Marine Life	
One	of the three intermediate/advanced elec-	ctives can be a research course:	
В	IOL 4991	Research	
В	IOL 4994	Internship	
В	IOL 4970	Junior/Senior Honors Project 1	
В	IOL 4971	Junior/Senior Honors Project 2	
Cun	norting Courses		
_	porting Courses	Till	
Code		Title	Hours
	hematics		
		0 10:00 0:15 0: 0 0:1 1	
	TH 1251	Calculus and Differential Equations for Biology 1	4
Stat	istics		
Stat	istics R 2500	Biostatistics	4 5
Stati ENV and	istics R 2500 ENVR 2501		
Stati ENV and Cher	istics R 2500 ENVR 2501 mistry	Biostatistics	
Stati ENV and Cher	istics R 2500 ENVR 2501 mistry eral Chemistry	Biostatistics and Lab for ENVR 2500	5
State ENV and Cher Gene CHE	istics R 2500 ENVR 2501 mistry	Biostatistics and Lab for ENVR 2500 General Chemistry for Science Majors	
Stati ENV and Cher Gene CHE and	istics R 2500 ENVR 2501 mistry eral Chemistry	Biostatistics and Lab for ENVR 2500	5
Stati ENV and Cher Gene CHE and and	istics R 2500 ENVR 2501 mistry eral Chemistry M 1161 CHEM 1162	Biostatistics and Lab for ENVR 2500 General Chemistry for Science Majors and Lab for CHEM 1161	5
Stati ENV and Cher CHE and and Organ	istics R 2500 ENVR 2501 mistry eral Chemistry M 1161 CHEM 1162 CHEM 1163	Biostatistics and Lab for ENVR 2500 General Chemistry for Science Majors and Lab for CHEM 1161	5
Stati ENV and Cher Gene CHE and and Orga CHE	istics R 2500 ENVR 2501 mistry eral Chemistry M 1161 CHEM 1162 CHEM 1163 enic Chemistry	Biostatistics and Lab for ENVR 2500 General Chemistry for Science Majors and Lab for CHEM 1161 and Recitation for CHEM 1161	5
Stati ENV and Cher CHE and Orga CHE and CHE	istics R 2500 ENVR 2501 mistry eral Chemistry M 1161 CHEM 1162 CHEM 1163 mic Chemistry M 2311 CHEM 2312 M 2313	Biostatistics and Lab for ENVR 2500 General Chemistry for Science Majors and Lab for CHEM 1161 and Recitation for CHEM 1161 Organic Chemistry 1 and Lab for CHEM 2311 Organic Chemistry 2	5
Stati ENV and Cher Gene CHE and Orga CHE and CHE and	istics R 2500 ENVR 2501 mistry eral Chemistry M 1161 CHEM 1162 CHEM 1163 mic Chemistry M 2311 CHEM 2312 M 2313 CHEM 2314	Biostatistics and Lab for ENVR 2500 General Chemistry for Science Majors and Lab for CHEM 1161 and Recitation for CHEM 1161 Organic Chemistry 1 and Lab for CHEM 2311	5
Stati ENV and Cher CHE and Orga CHE and CHE	istics R 2500 ENVR 2501 mistry eral Chemistry M 1161 CHEM 1162 CHEM 1163 mic Chemistry M 2311 CHEM 2312 M 2313 CHEM 2314	Biostatistics and Lab for ENVR 2500 General Chemistry for Science Majors and Lab for CHEM 1161 and Recitation for CHEM 1161 Organic Chemistry 1 and Lab for CHEM 2311 Organic Chemistry 2	5
Stati ENV and Cher Gene CHE and Orga CHE and CHE and Phys	istics R 2500 ENVR 2501 mistry eral Chemistry M 1161 CHEM 1162 CHEM 1163 mic Chemistry M 2311 CHEM 2312 M 2313 CHEM 2314 sics	Biostatistics and Lab for ENVR 2500 General Chemistry for Science Majors and Lab for CHEM 1161 and Recitation for CHEM 1161 Organic Chemistry 1 and Lab for CHEM 2311 Organic Chemistry 2 and Lab for CHEM 2313	5 5 5
Stati ENV and Cher Gene CHE and Orga CHE and CHE and Phys Com	istics R 2500 ENVR 2501 mistry eral Chemistry M 1161 CHEM 1162 CHEM 1163 mic Chemistry M 2311 CHEM 2312 M 2313 CHEM 2314 sics sics 1 uplete one of the following lecture/lab par	Biostatistics and Lab for ENVR 2500 General Chemistry for Science Majors and Lab for CHEM 1161 and Recitation for CHEM 1161 Organic Chemistry 1 and Lab for CHEM 2311 Organic Chemistry 2 and Lab for CHEM 2313	5
Stati ENV and Cher Gene CHE and Orga CHE and CHE and Phys Com	istics R 2500 ENVR 2501 mistry eral Chemistry M 1161 CHEM 1162 CHEM 1163 mic Chemistry M 2311 CHEM 2312 M 2313 CHEM 2314 sics	Biostatistics and Lab for ENVR 2500 General Chemistry for Science Majors and Lab for CHEM 1161 and Recitation for CHEM 1161 Organic Chemistry 1 and Lab for CHEM 2311 Organic Chemistry 2 and Lab for CHEM 2313	5 5 5
Stati ENV and Cher Gene CHE and CHE and CHE and Phys Com	istics R 2500 ENVR 2501 mistry eral Chemistry M 1161 CHEM 1162 CHEM 1163 mic Chemistry M 2311 CHEM 2312 M 2313 CHEM 2314 sics sics 1 aplete one of the following lecture/lab pa	Biostatistics and Lab for ENVR 2500 General Chemistry for Science Majors and Lab for CHEM 1161 and Recitation for CHEM 1161 Organic Chemistry 1 and Lab for CHEM 2311 Organic Chemistry 2 and Lab for CHEM 2313 airs. PHYS 1145/PHYS 1146 is recommended: Physics for Life Sciences 1	5 5 5
Stati ENV and Cher Gene CHE and CHE and CHE and Phys Com	istics R 2500 ENVR 2501 mistry eral Chemistry M 1161 CHEM 1162 CHEM 1163 mic Chemistry M 2311 CHEM 2312 M 2313 CHEM 2314 sics sics 1 applete one of the following lecture/lab party 1145 and PHYS 1146 HYS 1151 and PHYS 1151	Biostatistics and Lab for ENVR 2500 General Chemistry for Science Majors and Lab for CHEM 1161 and Recitation for CHEM 1161 Organic Chemistry 1 and Lab for CHEM 2311 Organic Chemistry 2 and Lab for CHEM 2313 airs. PHYS 1145/PHYS 1146 is recommended: Physics for Life Sciences 1 and Lab for PHYS 1145 Physics for Engineering 1 and Lab for PHYS 1151	5 5 5
Stati ENV and Chei Gene CHE and Orga CHE and CHE and Physi Com P ai	istics R 2500 ENVR 2501 mistry eral Chemistry M 1161 CHEM 1162 CHEM 1163 mic Chemistry M 2311 CHEM 2312 M 2313 CHEM 2314 sics sics 1 uplete one of the following lecture/lab party 1145 md PHYS 1146 HYS 1151 nd PHYS 1152 nd PHYS 1153	Biostatistics and Lab for ENVR 2500 General Chemistry for Science Majors and Lab for CHEM 1161 and Recitation for CHEM 1161 Organic Chemistry 1 and Lab for CHEM 2311 Organic Chemistry 2 and Lab for CHEM 2313 airs. PHYS 1145/PHYS 1146 is recommended: Physics for Life Sciences 1 and Lab for PHYS 1145 Physics for Engineering 1 and Lab for PHYS 1151 and Interactive Learning Seminar for PHYS 1151	5 5 5
Stati ENV and Cher Gene CHE and Orga CHE and CHE and Phys Com P ai	istics R 2500 ENVR 2501 mistry eral Chemistry M 1161 CHEM 1162 CHEM 1163 inic Chemistry M 2311 CHEM 2312 M 2313 CHEM 2314 sics sics 1 inplete one of the following lecture/lab party 1145 ind PHYS 1146 HYS 1151 ind PHYS 1152 ind PHYS 1153 HYS 1161	Biostatistics and Lab for ENVR 2500 General Chemistry for Science Majors and Lab for CHEM 1161 and Recitation for CHEM 1161 Organic Chemistry 1 and Lab for CHEM 2311 Organic Chemistry 2 and Lab for CHEM 2313 airs. PHYS 1145/PHYS 1146 is recommended: Physics for Life Sciences 1 and Lab for PHYS 1145 Physics for Engineering 1 and Lab for PHYS 1151 and Interactive Learning Seminar for PHYS 1151 Physics 1	5 5 5
Stati ENV and Chei Gene CHE and Orga CHE and Phys Com P ai P ai P ai	istics R 2500 ENVR 2501 mistry eral Chemistry M 1161 CHEM 1162 CHEM 1163 mic Chemistry M 2311 CHEM 2312 M 2313 CHEM 2314 sics sics 1 replete one of the following lecture/lab party 1145 md PHYS 1146 HYS 1151 nd PHYS 1152 nd PHYS 1153 HYS 1161 nd PHYS 1161	Biostatistics and Lab for ENVR 2500 General Chemistry for Science Majors and Lab for CHEM 1161 and Recitation for CHEM 1161 Organic Chemistry 1 and Lab for CHEM 2311 Organic Chemistry 2 and Lab for CHEM 2313 airs. PHYS 1145/PHYS 1146 is recommended: Physics for Life Sciences 1 and Lab for PHYS 1145 Physics for Engineering 1 and Lab for PHYS 1151 and Interactive Learning Seminar for PHYS 1151	5 5 5
Stati ENV and Cher Gene CHE and Orga CHE and CHE and Phys Phys Com P an A P A P A A P A P A A P A A P A A P A A A P A A A P A	istics R 2500 ENVR 2501 mistry eral Chemistry M 1161 CHEM 1162 CHEM 1163 mic Chemistry M 2311 CHEM 2312 M 2313 CHEM 2314 sics sics 1 replete one of the following lecture/lab party 1145 md PHYS 1146 HYS 1151 nd PHYS 1152 nd PHYS 1153 HYS 1161 nd PHYS 1162 sics 2	Biostatistics and Lab for ENVR 2500 General Chemistry for Science Majors and Lab for CHEM 1161 and Recitation for CHEM 1161 Organic Chemistry 1 and Lab for CHEM 2311 Organic Chemistry 2 and Lab for CHEM 2313 airs. PHYS 1145/PHYS 1146 is recommended: Physics for Life Sciences 1 and Lab for PHYS 1145 Physics for Engineering 1 and Lab for PHYS 1151 and Interactive Learning Seminar for PHYS 1151 Physics 1 and Lab for PHYS 1161	5 5 5
Stati ENV and Cher Gene CHE and Orga CHE and Phys Com P ai ai P ai Phys Com	istics R 2500 ENVR 2501 mistry eral Chemistry M 1161 CHEM 1162 CHEM 1163 mic Chemistry M 2311 CHEM 2312 M 2313 CHEM 2314 sics sics 1 applete one of the following lecture/lab part of PHYS 1146 HYS 1151 nd PHYS 1152 nd PHYS 1153 HYS 1161 nd PHYS 1162 sics 2 applete one of the following lecture/lab part of PHYS 1162 sics 2 applete one of the following lecture/lab part of PHYS 1162 sics 2 applete one of the following lecture/lab part of PHYS 1162 sics 2 applete one of the following lecture/lab part of PHYS 1162 sics 2 applete one of the following lecture/lab part of PHYS 1162 sics 2 applete one of the following lecture/lab part of PHYS 1162 sics 2	Biostatistics and Lab for ENVR 2500 General Chemistry for Science Majors and Lab for CHEM 1161 and Recitation for CHEM 1161 Organic Chemistry 1 and Lab for CHEM 2311 Organic Chemistry 2 and Lab for CHEM 2313 airs. PHYS 1145/PHYS 1146 is recommended: Physics for Life Sciences 1 and Lab for PHYS 1145 Physics for Engineering 1 and Lab for PHYS 1151 and Interactive Learning Seminar for PHYS 1151 Physics 1 and Lab for PHYS 1161	5 5 5
Stati ENV and Cher Gene CHE and CHE and CHE and Phys Com P an P an Phys Com P an P a	istics R 2500 ENVR 2501 mistry eral Chemistry M 1161 CHEM 1162 CHEM 1163 mic Chemistry M 2311 CHEM 2312 M 2313 CHEM 2314 sics sics 1 replete one of the following lecture/lab party 1145 md PHYS 1146 HYS 1151 nd PHYS 1152 nd PHYS 1153 HYS 1161 nd PHYS 1162 sics 2	Biostatistics and Lab for ENVR 2500 General Chemistry for Science Majors and Lab for CHEM 1161 and Recitation for CHEM 1161 Organic Chemistry 1 and Lab for CHEM 2311 Organic Chemistry 2 and Lab for CHEM 2313 airs. PHYS 1145/PHYS 1146 is recommended: Physics for Life Sciences 1 and Lab for PHYS 1145 Physics for Engineering 1 and Lab for PHYS 1151 and Interactive Learning Seminar for PHYS 1151 Physics 1 and Lab for PHYS 1161	5 5 5

PHYS 1155 and PHYS 1156 and PHYS 1157	Physics for Engineering 2 and Lab for PHYS 1155 and Interactive Learning Seminar for PHYS 1155	
PHYS 1165 and PHYS 1166	Physics 2 and Lab for PHYS 1165	
Intermediate or Advanced Science		
Complete one course from the following:		4
BIOL 2301 to BIOL 5999		
CHEM 2311 to CHEM 5999		
EEMB 2290 to EEMB 5999		
ENVR 2310 to ENVR 5999		
MATH 2280 to MATH 5999		
PHYS 2303 to PHYS 5999		
PSYC 2290 to PSYC 5999		

Biology Major Credit/GPA Requirement

Complete 78 semester hours in the major with a cumulative GPA of 2.000.

Due to overlap in course content, double majoring in biology and cell and molecular biology, biology and biochemistry, biology and behavioral neuroscience, or biology and marine biology is not permitted.

Program Requirement

136 total semester hours required

Plan of Study

Please note that these are sample plans of study. While the requirements are the same for all students, individual schedules may vary.

Four Years, Two Co-ops in Summer 2/Fall

		• •					
Year 1							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
BIOL 1107		4 BIOL 2299		4 BIOL 2301		4 Vacation	
BIOL 1108		1 CHEM 2311		4 BIOL 2302		1	
CHEM 1161		4 CHEM 2312		1 Elective		4	
CHEM 1162		1 ENGW 1111		4			
INSC 1000		1 Elective		4			
MATH 1251		4					
Elective		4					
		19		17		9	0
Year 2							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
CHEM 2313		4 BIOL 2309		4 BIOL 3611		4 Co-op	
CHEM 2314		1 EESC 2000		1 BIOL 3612		1	
ENVR 2500		4 PHYS 1145		4 Elective		4	
ENVR 2501		1 PHYS 1146		1			
Elective		4 Elective		4			
Elective		4 Elective		4			
		18		18		9	0
Year 3							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
Со-ор		PHYS 1147		4 Intermediate/Advanced Biology Elective		4 Co-op	
ENGW 3307		4 PHYS 1148		1 (Intermediate/Advanced Biology Elective Lab)		1	
		Organismal/Population Bio Elective		4 Elective		4	

Biology, BS

		0	18		
		Elective	4		
		(Intermediate/Advanced Science Elective Lab)	1		
		Intermediate/Advanced Science Elective	4		
		(Intermediate/Advanced Biology Elective Lab)	1		
		Intermediate/Advanced Biology Elective	4		
Со-ор		BIOL 4701	4		
Fall	Hours	Spring	Hours		
Year 4			.,	,	·
		4	19	9	(
		(Intermediate/Advanced Biology Elective Lab) Elective	4		
		Intermediate/Advanced Biology Elective	4		
		(Organismal/Population Bio Elective Lab)	1		

Total Hours: 140

Year	1

Four Years, Two Co-	ops in S	pring/Summer 1						
Year 1								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	
AP Credit for Biology		5 BIOL 2301		4 BIOL 2309		4 Vacation		
BIOL 1000		1 BIOL 2302		1 Elective		4		
BIOL 2299		4 CHEM 2311		4				
CHEM 1161		4 CHEM 2312		1				
CHEM 1162		1 ENGW 1111		4				
MATH 1251		4 Elective		4				
Elective		4						
		23	1	8		8		0
Year 2								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	
CHEM 2313		4 Co-op		Со-ор		PHYS 1147		4
CHEM 2314		1		Elective		4 PHYS 1148		1
EESC 2000		1				Elective		4
ENVR 2500		4						
ENVR 2501		1						
PHYS 1145		4						
PHYS 1146		1						
		16		0		4		9
Year 3								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	
BIOL 3611		4 Co-op		Со-ор		Intermediate/Advanced Science Elective		4
BIOL 3612		1				(Intermediate/Advanced Science Elective Lab)		1
ENGW 3307		4				Elective		4
Intermediate/Advanced Biology Elective		4						

(Intermediate/Advanced Biology Elective Lab)		1				
Elective		4				
		18		0	0	9
Year 4						
Fall	Hours	Spring	Hours			
Intermediate/Advanced Biology Elective		4 BIOL 4701		4		
(Intermediate/Advanced Biology Elective Lab)		1 Intermediate/Advanced Biology Elective		4		
Organismal/Population Bio Elective		4 (Intermediate/Advanced Biology Elective Lab)		1		
(Organismal/Population Bio Elective Lab)		1 Elective		4		
Elective		4 Elective		4		
Elective		4				
		18		17		

Total Hours: 140

Five Years, Three Co-ops in Summer 2/Fall

Five years, Inree Co	ops in S	Summer 2/Faii						
Year 1 Fall	Hours	Carrian	Hours	Summer 1	Hours	Summer 2	Hours	
BIOL 1000	Hours	Spring 1 BIOL 2299	Hours	4 BIOL 2301	Houis	4 Vacation	nouis	0
BIOL 1107		4 CHEM 2311		4 BIOL 2302		1		U
BIOL 1108		1 CHEM 2312		1 Elective		4		
CHEM 1161		4 ENGW 1111		4		7		
CHEM 1162		1 Elective		4				
MATH 1251		4						
Elective		4						
Licotive		19		17		9		0
Year 2						,		Ü
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	
CHEM 2313		4 BIOL 2309		4 Intermediate/Advanced Biology Elective		4 Со-ор		0
CHEM 2314		1 EESC 2000		1 (Intermediate/Advanced Biology Elective Lab)		1		
ENVR 2500		4 PHYS 1145		4 Elective		4		
ENVR 2501		1 PHYS 1146		1				
Elective		4 Elective		4				
Elective		4 Elective		4				
		18		18		9		0
Year 3								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	
Со-ор		0 BIOL 3611		4 Vacation		Со-ор		0
		BIOL 3612		1				
		ENGW 3307		4				
		PHYS 1147		4				
		PHYS 1148		1				
		Elective		4				
		0		18		0		0
Year 4								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	
Co-op		0 Intermediate/Advanced Biology Elective		4 Vacation		Со-ор		0

6 Biology, BS

		Elective	4		
		Science Liective Lab)			
		(Intermediate/Advanced Science Elective Lab)	1		
		Intermediate/Advanced Science Elective	4		
		(Intermediate/Advanced Biology Elective Lab)	1		
		Intermediate/Advanced Biology Elective	4		
Со-ор		0 BIOL 4701	4		
Fall	Hours	Spring	Hours		
ear 5		U	14	U	
		Elective 0	14	0	
		Elective	4		
		(Organismal/Population Bio Elective Lab)	1		
		Organismal/Population Bio Elective			
		Biology Elective Lab)	ı		
		(Intermediate/Advanced	1		

Total Hours: 140

Five Years, Three Co-ops in Spring/Summer 1

Five Years, Inree (co-ops in s	spring/Summer i					
Year 1							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
AP Credit for Biology		5 BIOL 2301		4 BIOL 2309		4 Vacation	
BIOL 1000		1 BIOL 2302		1 Elective		4	
BIOL 2299		4 CHEM 2311		4			
CHEM 1161		4 CHEM 2312		1			
CHEM 1162		1 ENGW 1111		4			
MATH 1251		4 Elective		4			
Elective		4					
		23	1	18		8	0
Year 2							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
CHEM 2313		4 Co-op		Co-op		PHYS 1147	4
CHEM 2314		1				PHYS 1148	1
EESC 2000		1				Elective	4
ENVR 2500		4					
ENVR 2501		1					
PHYS 1145		4					
PHYS 1146		1					
		16		0		0	9
Year 3							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
BIOL 3611		4 Со-ор		Со-ор		Vacation	
BIOL 3612		1					
ENGW 3307		4					
Elective		4					
Elective		4					
		17		0		0	0

٧	e	а	r	4	

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
Intermediate/Advanced Biology Elective		4 Co-op		Co-op		Vacation	
(Intermediate/Advanced Biology Elective Lab)		1					
Organismal/Population Bio Elective		4					
(Organismal/Population Bio Elective Lab)		1					
Elective		4					
Elective		4					
		18		0	()	0
Year 5							
Fall	Hours	Spring	Hours				
Intermediate/Advanced Biology Elective		4 BIOL 4701		4			
(Intermediate/Advanced Biology Elective Lab)		1 Intermediate/Advanced Biology Elective		4			
Intermediate/Advanced Science Elective		4 (Intermediate/Advanced Biology Elective Lab)		1			
(Intermediate/Advanced Science Elective Lab)		1 Elective		4			
Elective		4					
Elective		4					
		18		13			

Total Hours: 140