

Name: _____

ID#: _____

Email: _____

Biology Credits: 35 STS Credits: 46 Total Credits: 128

All biology, STS and cognate courses require grades of C or better.

1 Core Biology Courses - 12cr (Required)

		Prereqs	Sem	Grade
BIOL 200	Concepts in Biology (4cr)	△□	None	
R120:201	Found of Cell/Molec (3cr)	△□●	BIOL 200	
R120:202	Found of Cell/Molec Lab (1cr)	△□●	BIOL 200	
BIOL 205	Found of Ecol/Evol (3cr)	△□●	BIOL 200	
BIOL 206	Found of Ecol/Evol Lab (1cr)	△□●	BIOL 200	

2A Ecology and Evolution - 3cr (Choose one class)

BIOL 222	Evolution	△	101/102	
R120:280	Ecology	□	101/102	
R120:282	Animal Behavior	△	101/102	
R120:370	Plant Ecology	□	101/102	

2B Functional Organism - 4cr (Choose one class)

R120:211	Plant Kingdom	□	101/102	
R120:230	Biology of Seed Plants	△	201/202	
R120:330	Plant Physiology	△	201/202	
R120:335	General Microbiology	△	101/102	
R120:340	Mammalian Physiology	△□●	201/202	
R120:342/3	Developmental Biol & Lab	△	201/202	

2C Molecular and Cellular - 3cr (Choose one class)

R120:352	Genetics	□●	201/202	
R120:355	Cell Biology	□	201/202	
R120:356	Molecular Biology	△	201/202	
R120:360	Biochemistry	△●	201/202	

3 Bio Laboratory Courses - 7cr (Choose at least one 4-credit lab class)

↕ Four Credit Laboratories (4cr) ↕				
R120:211	Plant Kingdom	□	101/102	
R120:227	Biology of Invertebrates	△●	101/102	
R120:230	Biology of Seed Plants	△	201/202	
R120:285	Comparative Vertebrate Anatomy	△	101/102	
R120:311	Taxonomy of Vascular Plants	△	211 or 230	
R120:313	Mycology	△	101/102	
R120:325/6	Animal Parasites & Lab	□	201/202	
R120:330	Plant Physiology	△	201/202	
R120:335	General Microbiology	△	101/102	
R120:340	Mammalian Physiology	△□●	201/202	
R120:342/3	Developmental Biol & Lab	△	201/202	
R120:405	Microanatomy of Cells & Tissues	□	201/202	
R120:430	Plant Growth & Development	△□	201/202	
BIOL 451	Cell Physiology & Imaging	□	355, Phys 111	
↕ Three Credit Laboratories (3cr) ↕				
R120:328	Ecology of Birds	□	280 or 270	
R120:380	Field Ecology	□	280	
R120:371	Field Studies Plant Ecol		280 or 270	
R120:381	Field Studies Animal Ecol	△	280	
BIOL 475	Analytical Field Methods	△	280 or 270	
R120:486	Tropical Field Biology	●		

4 Biology Electives* - 6cr (Choose two classes)

		Prereqs	Sem	Grade

35 Required Biology Credits

Current Total: _____

5 Core STS Courses - 28cr (Required)

STS 101	Found of Science, Tech, Soc. (3cr)		None	
STS 257	Tech, Soc & Cult: American View (3cr)	△	None	
STS 258	Tech, Soc & Cult: Global View (3cr)	△□	None	
STS 301	Independent Study (1cr)	△□		
STS 304	Writing about STS (3cr)		HUM 102++	
STS 307	Research Methods in STS (3cr)	□	HUM 102++	
STS 310	Technology and Human Values (3cr)	□	HUM 102++	
PHIL 355	Philosophy of Science (3cr)	□	HUM 102+	
STS 490	Project and Seminar I (3cr)	△□		
STS 491	Project and Seminar II (3cr)	△□	STS 490	

6 STS Electives* - 18cr (Choose six classes)

Focus 1				
Focus 2				
Focus 3				
Focus 4				
Focus 5				
Focus 6				

46 Required STS Credits

Current Total: _____

7 Cognate Science Courses - 23cr

CHEM 124	General Chem Lab (1cr)	△□●	Chem 125	
CHEM 125	General Chemistry I (3cr)	△□●	Placement	
CHEM 126	General Chemistry II (3cr)	△□●	Chem 125	

CHEM 243	Organic Chemistry I (3cr)	△□●	Chem 126	
CHEM 244	Organic Chemistry II (3cr)	△□●	Chem 243	
CHEM 244A	Organic Chemistry Lab (2cr)	△□●	Chem 243	

PHYS 111	Physics I Lab (3cr)	△□●		
PHYS 111A	Physics I Lab (1cr)	△□●		
PHYS 121	Physics II (3cr)	△□●	Phys 111	
PHYS 121A	Physics II Lab (1cr)	△□●	Phys 111A	

Chem 121, 122 and 123 are equivalent to Chem 125 and 126.

Phys 105, 106 and 121 are equivalent to Phys 111 and 121.

Placement test results determine the appropriate sequence of courses.

23 Required Cognate Course Credits

Current Total: _____

△ Fall □ Spring ● Summer



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General University Requirements for B.A. Biology-STS Double Majors

8 English & Cultural History GUR - 6cr

	Course	Prereqs	Sem	Grade
English Composition: Writing, Speaking, Thinking I (3cr)	HUM 101	Placement		
English Composition: Writing, Speaking, Thinking II (3cr)	HUM 102	HUM 101		

9 Mathematics GUR - 7cr

	Course	Prereqs	Sem	Grade
Calculus I (4cr)	Math 111	Placement		
Elementary Probability & Statistics (3cr)	Math 105	Math 112		

10 Computer Science GUR - 3cr

	Course	Prereqs	Sem	Grade
Programming for Bioinformatics I (3cr)	BNFO 135	Placement		

11 Physical Education GUR - 2cr

	Course	Prereqs	Sem	Grade
GUR Elective: Physical Education (1cr)				
GUR Elective: Physical Education (1cr)				

12 Management GUR - 3cr

	Course	Prereqs	Sem	Grade
Principles of Management (3cr)	MGMT 390			

13 Humanities and Social Science Senior Seminar GUR - 3cr

	Course	Prereqs	Sem	Grade
GUR Elective: HSS Senior Seminar - Science, Technology, and Society (3cr)	HSS 408			

24 General University Requirement Credits

Current Total: _____

4 Biology Electives* - 6cr (Choose two classes)

6 STS Electives* - 18cr (Choose six classes)

The courses listed below may be used to complete the 35 credits of biology course work and 46 credits of STS course work, once approved by the Advisor:

- | | | | |
|--------------------------------------|---|--------------------------------------|--|
| Insects and Human Society (BIOL 225) | Introduction to Math Biology (Math 373) | Immunology (R120:443) | Molecular Biotechnology-4cr (R120:452) |
| Neurobiology (BIOL/R120:346) | Biological Ultrastructure (R120:403) | Endocrinology (R120:445) | Molecular Cell Biology (R120:455) |
| Human Ecology (R120:365) | Light & Elect Microscope (R120:404) | Cell & Systems Neurosci (Biol 447) | Ecological Physiology (R120:471) |
| Physiology and Medicine (Math 371) | Biological Invasions (R120:422) | Cell Physiology & Imaging (Biol 451) | Systems Ecology (R120:487) |
| Population Biology (Math 372) | Comp Neuroscience (Math 430) | Cellular Biophysics-4cr (R120:451) | Problems in Biology-6cr (BIOL 491/492) |

Notes and Comments: _____
