

BIOLOGY (BA) with an Emphasis In Computational Biology

Student: _____ Student ID: _____ Phone #: _____ Email: _____

Address: _____ City: _____ State: _____ Zip: _____

Beginning Term: _____ Anticipated Completion: _____

Estimated Transfer Credits: _____	Estimated Webster Credits: _____	Total Credit Hours: _____ • Transfer Credits + Webster Credits • Minimum of 120 hours
core requirements: _____	core requirements: _____	
GCP courses: _____	GCP courses: _____	
electives: _____	electives: _____	

REQUIRED CORE COURSES (71 hours)						
Course	Hrs	Pre-requisite	Term	Year	Grade	Transfer
BIOL 1550 Essentials of Biology I AND	4 sh		--			
BIOL 1551 Essentials of Biology I: Lab	1 sh		--			
BIOL 1560 Essentials of Biology II AND	4 sh	BIOL 1550	--			
BIOL 1561 Essentials of Biology II: Lab	1 sh		--			
BIOL 2010 Evolution	3 sh	BIOL 1550, 1560	--			
BIOL 3050 Genetics AND	3 sh	BIOL 1550, 1560	--			
BIOL 3051 Genetics: Lab	1 sh		--			
BIOL 3200 Ecology AND	3 sh	BIOL 1550, 1560	--			
BIOL 3201 Ecology: Lab	1 sh		--			
BIOL 4400 Research Methods	3 sh	BIOL 1550, 1560, 2010, 3050, CHEM 1100, 1110, 2100. Senior status.	--			
BIOL 4420 Senior Thesis	4 sh	BIOL 4400	--			
CHEM 1100 General Chemistry I AND	3 sh	MATH 1430	--			
CHEM 1101 General Chemistry I: Lab	1 sh		--			
CHEM 1110 General Chemistry II AND	3 sh	CHEM 1100	--			
CHEM 1111 General Chemistry II: Lab	1 sh		--			
CHEM 2100 Organic Chemistry I AND	3 sh	CHEM 1100, 1110	--			
CHEM 2101 Organic Chemistry I: Lab	1 sh		--			
MATH 1610 Calculus I	3 sh		--			
MATH 2200 Statistics	3 sh		--			
PHYS 1710 College Physics I AND	3 sh		--			
PHYS 1711 College Physics I: Lab	1 sh		--			
PHYS 1720 College Physics II AND	3 sh	PHYS 1710	--			
PHYS 1721 College Physics II: Lab	1 sh		--			
BIOL 2000 Introduction to Computational Biology	3 sh		--			
COSC 1550 Computer Programming I	3 sh		--			

COSC 1560 Computer Programming II	3 sh	COSC 1550	--			
**An Additional 6 hours of any of the following: 2000+ level COSC courses, 2500+ level CSIS courses, 3000+ level BIOL, CHEM or PHYS courses, 1600_ level MATH courses						

GLOBAL CITIZENSHIP PROGRAM (minimum 30 hours)										
FIRST YEAR SEMINAR (3 hours)	Hrs	Term	Year	Grade	Transfer					
	3sh	--								
KNOWLEDGE AREAS (24 hours)	SKILLS AREAS*									
	WCOM	OCOM	CRI	INTC	ETH	Hrs	Term	Year	Grade	Transfer
Roots of Cultures**	--	--	--	--	--	3sh	--			
	--	--	--	--	--	3sh	--			
Social Systems & Human Behaviors**										
	--	--	--	--	--	3sh	--			
	--	--	--	--	--	3sh	--			
Physical & Natural World										
	--	--	--	--	--	3sh	--			
Global Understanding										
	--	--	--	--	--	3sh	--			
Arts Appreciation										
	--	--	--	--	--	3sh	--			
Quantitative Literacy										
	--	--	--	--	--	3sh	--			
Skills Courses not associated with Knowledge Areas (optional)										
	--	--	--	--	--	3sh	--			
	--	--	--	--	--	3sh	--			
	--	--	--	--	--	3sh	--			
	--	--	--	--	--	3sh	--			
KEYSTONE SEMINAR (3 hours)	Hrs	Term	Year	Grade	Transfer					
	3sh	--								

NOTE: In addition to the First Year and Keystone Seminars, students must complete *all 5 Skills Requirements within or in addition* to fulfilling each Knowledge Area. Courses with a grade of C- or better will satisfy GCP requirements.

Skills Areas: WCOM = Written Communication OCOM = Oral Communication ETH = Ethical Reasoning
 CRI = Critical Thinking INTC = Intercultural Competence

****NOTE:** Courses must have two different prefixes.

ELECTIVE COURSES					
TOTAL ELECTIVE TRANSFER HOURS					
REMAINING ELECTIVE HOURS					
Course	Hrs	Pre-Requisite	Term	Year	Grade
			--		
			--		
			--		
			--		
			--		
			--		
			--		
			--		
			--		

COMMENTS:

- Pending official transcripts, course descriptions and administrative approval.
- You may change the recommended course sequence as needed as long as you do not take any course before or with its prerequisite(s).
- Not all courses are offered at all sites each term. Check with the site for the current rotation schedule as course schedules are subject to change.
- Transfer credit may apply as general education courses, elective courses or core course substitutions (if the courses are substantively the same as Webster core courses).
- This program plan is not a substitute for application, registration, transfer of credit or core course substitution requests. All other required forms must be filed in addition to this program plan.
- Signature on this program plan does not imply commitment for application or registration.

Advisor _____

Student _____

Phone:

Fax: 314-968-7166

Email:

Date Advised: