



Degree Plan

Computer Science (BS) with an Emphasis In Cybersecurity

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

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

Beginning Term: _____ Anticipated Completion: _____

Estimated Transfer Credits: _____	Estimated Webster Credits: _____	Total Credit Hours: _____ <ul style="list-style-type: none"> • Transfer Credits + Webster Credits • Minimum of 120 hours
core requirements: _____	core requirements: _____	
GCP courses: _____	GCP courses: _____	
electives: _____	electives: _____	

REQUIRED CORE COURSES (54 hours)						
Course	Hrs	Pre-requisite	Term	Year	Grade	Transfer
COSC 1550 Computer Programming I	3 sh		--			
COSC 1560 Computer Programming II	3 sh	COSC 1550 (Grade of B- or better)	--			
COSC 1570 Math for Computer Science	3 sh		--			
COSC 2610 Operating Systems	3 sh		--			
COSC 2670 Network Principles	3 sh	COSC 1550, COSC 1570	--			
COSC 2810 Systems Analysis and Design	3 sh	COSC 1550	--			
COSC 2710 Social Engineering and Society	3 sh		--			
COSC 3050 Data Structures I	3 sh	COSC 1550 (Grade of B- or better), COSC 2610, COSC 2810	--			
COSC 3100 Data Structures II	3 sh	COSC 3050	--			
COSC 3230 Human-Computer Interaction	3 sh	COSC 1560, COSC 2070	--			
COSC 3510 Computer Architecture	3 sh	COSC 1560, COSC 1570, COSC 2610, and junior standing	--			
COSC 4110 Database Concepts	3 sh	COSC 1560, COSC 2810 and junior standing	--			
COSC 4120 Database Applications	3 sh	COSC 4110	--			
MATH 2410 Discrete Mathematics	3 sh		--			
CSSS 2410 Cybersecurity and Internet Architecture	3 sh	COSC 2610, 2670	--			
CSSS 2510 Cyber Attacks and Defenses	3 sh	CSSS 2410	--			
CSSS 3510 Writing Secure Code	3 sh	CSSS 2510, COSC 3100	--			
CSSS 4510 Cybersecurity Capstone Project	3 sh	CSSS 3510	--			
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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	
			--			

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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: