

REQUIREMENTS FOR THE BS DEGREE WITH A MAJOR IN:

Computer Science

September 2018

GENERAL EDUCATION REQUIREMENTS

Category		# Credits	Specific Courses Required	Other
FirstBridge		8	Course offerings vary by semester.	Freshmen must take during their first semester.
Speaking the World	English	Up to 8	EN1010: College Writing EN2020: Writing & Criticism	Minimum grade of "C" required in each course. Placement above EN1010 or EN1020 or transfer from English-speaking university is possible.
	French	Up to 8	FR1100: Elementary French & Culture I FR1200: Elementary French & Culture II	Minimum grade of "C" required in each course. Placement above FR1100 or FR1200 is possible
Comparing Worlds		4	Courses coded GE100,GE115	Must simply pass course. Transfer is possible.
Mapping the World		4	Courses coded GE110,GE115	Must simply pass course. Transfer is possible.
Comparing Worlds OR Mapping the World		4	Courses coded GE100, GE110, GE115	Must simply pass course. Transfer is possible.
Modeling the World	Math	4	Any course coded GE120	Must simply pass course. Placement above or transfer is possible.
	Science	4	Any course coded GE130	Must simply pass course. Transfer is possible.

MAJOR REQUIREMENTS – 54 credits (Minimum grade of "C-" required in each course.)

Course Number	Course Name (<i>prerequisites</i>)
MA1020 or MA1030	Applied Statistics I (<i>MA0900 or placement above</i>) Calculus I (<i>MA1002 or MA1025 or placement above</i>)
MA2400	Discrete Mathematics (<i>MA1010 or above or CS1040</i>)
CS1040	Introduction to Computer Programming – 5 credits
CS1050	Introduction to Computer Programming II – 5 credits (<i>CS1040</i>)
CS2071	Languages & Data Structures (<i>CS1040</i>)
CS3015	Computer Networks (<i>CS1050 + MA2400</i>)
CS3032	Architectures & Operating Systems (<i>CS2071</i>)
CS/CM3048	Human Computer Interaction (<i>[CS1005 + GPA 3.0] or CS1050</i>)
CS/IT3051	Web Applications (<i>CS1040</i>)
CM3053	Software Engineering
CS3068	Database Applications
CS4095 or CS3098	Senior Project (<i>senior standing + CS major</i>) Internship (<i>junior standing</i>)
Elective	Select either MA2007, MA2041, or a course coded CS at the 3000 level

FREE ELECTIVES

Any courses desired – must complete a total of 128 credit hours to graduate.

HONORS

Students earning a GPA of 3.5 or above in the major courses are eligible for the honors program.