REQUIREMENTS FOR THE BS DEGREE WITH A MAJOR IN:

Mathematics & 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 – 50 credits (Minimum grade of "C-" required in each course.)

MATHEMATICS AND COMPUTER SCIENCE

Course Number	Course Name *(prerequisites)*
CS1040	Introduction to Computer Programming
CS1050	Introduction to Computer Programming II – 5 credits *(CS1040)*
CS2071	Languages & Data Structures *(CS1040)*
MA1020	Applied Statistics *(MA0900 or placement above)*
MA1030	Calculus I *(MA1025 or placement above)*
MA2400	Discrete Mathematics *(MA1010 or above or CS1040)*
MA2041	Linear Algebra *(MA1030)*
MA/CS4095 OR MA/CS309098	*Senior Project *(senior standing + major in Math/Science/Computer Science Dept)* OR Internship
MA2XXX	Choose two courses in mathematics at the 2000 level or above
MA2XXX	
CS3XXX	Choose two courses in computer science at the 3000 level or above
CS3XXX	

*Interdisciplinary senior projects linking mathematics or Computer Science to another discipline (e.g., Finance and Mathematics, Computer Science and Psychology, etc.) will also be considered.

FREE ELECTIVES

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