YEAR TERM	MAJOR COURSES				GENERAL EDUCATION		TOTAL CREDITS
YEAR 1 — FALL	**MATH 170** 4 CALCULUS I Pre-Req: Requires Placement or MATH 136 or MATH 141	**CSCI 125** 3 COMPUTER PROGRAMMING I Co-Req: MATH 136, MATH 141 or higher		**GENERAL ELECTIVE** 3	**FCWR 101/111** 3 FOUNDATIONS OF COLLEGE COMPOSITION Pre-Req: Requires Placement	**DATA 101** 3 MAKING SENSE OF A DATA-ORIENTED SOCIETY	16
YEAR 1 — SPRING	**MATH 180** 4 CALCULUS II Pre-Req: MATH 170	**CSCI 185** 3 COMPUTER PROGRAMMING II Pre-Req: CSCI 125	**PHYS 170** 4 GENERAL PHYSICS I Co-Req: MATH 170	**GENERAL ELECTIVE** 3	**FCWR 151/161** 3 FOUNDATIONS OF RESEARCH WRITING Pre-Req: FCWR 101/111		17
YEAR 2 — FALL	**MATH 260** 4 CALCULUS III Pre-Req: MATH 180	**MATH 220** 3 PROBABILITY & STATISTICS Pre-Req: MATH 180	**PHYS 180** 4 GENERAL PHYSICS II Pre-Req: PHYS 170; Co-Req: MATH 180	**GENERAL ELECTIVE** 3			14
YEAR 2 — SPRING	**MATH 350** 3 ADVANCED CALCULUS Pre-Req: MATH 260	**MATH 310** 3 LINEAR ALGEBRA Pre-Req: MATH 180	**MATH 330** 4 COMPUTATIONAL ANALYSIS Pre-Req: MATH 260	**COMPUTER SCIENCE ELECTIVE** 3	**FCWR 3XX** 3 PROFESSIONAL COMMUNICATION CHOICE Pre-Req: FCWR 151/161		16
YEAR 3 — FALL	**MATH 320** 3 DIFFERENTIAL EQUATIONS Pre-Req: MATH 260	**MATH 410** 3 NUMERICAL LINEAR ALGEBRA Pre-Req: MATH 310	**COMPUTER SCIENCE ELECTIVE** *OR* **SCIENCE ELECTIVE** 3	**COMPUTER SCIENCE ELECTIVE** *OR* **SCIENCE ELECTIVE** 3	**ICXX 3XX *** 3 SEMINAR CHOICE (ICBS, ICLT, ICPH, or ICSS**) Pre-Req: FCWR 101/111 and FCWR 151/161		15
YEAR 3 — SPRING	**MATH 450** 3 PARTIAL DIFFERENTIAL EQUATIONS Pre-Req: MATH 320 *OR* **MATH 455** NUMERICAL ANALYSIS Pre-Req: MATH 320 and MATH 410		**SCIENCE ELECTIVE** 4	**GENERAL ELECTIVE** 3	**ICXX 3XX *** 3 SEMINAR CHOICE (ICBS, ICLT, ICPH, or ICSS**) Pre-Req: FCWR 101/111 and FCWR 151/161		13
YEAR 4 — FALL	**MATH ELECTIVE** 3	**MATH ELECTIVE** 3	**MATH ELECTIVE** 3	**GENERAL ELECTIVE** 3	**ICXX 3XX *** 3 SEMINAR CHOICE (ICBS, ICLT, ICPH, or ICSS**) Pre-Req: FCWR 101/111 and FCWR 151/161		15
YEAR 4 — SPRING	**MATH 490** 5 MATHEMATICAL MODELING CAPSTONE Pre-Req: MATH 450 or MATH 455		**COMPUTER SCIENCE** *OR* **SCIENCE ELECTIVE** 3	**GENERAL ELECTIVE** 3	**ICXX 3XX *** 3 SEMINAR CHOICE (ICBS, ICLT, ICPH, or ICSS**) Pre-Req: FCWR 101/111 and FCWR 151/161		14
CREDITS							**120**

Of the four required ICXX seminar courses (ICBS, ICLT, ICPH, ICSS), at least three must be in different subject areas.

** IENG 400 (Technology and Global Issues) may be substituted for an ICSS choice.

(Rev. 3/24)

Course names, numbers and/or pre-requisites are subject to change.

Grades for all MATH courses must be a C or higher.

The combined GPA for all mathematics courses must be a 2.7 or higher.