YEAR TERM		MAJOR					CORE			TOTAL CREDITS
YEAR 1 FALL	ETCS 105 **2** CAREER DISCOVERY			MATH 170 **4** CALCULUS I Pre-Req: Placement Exam MATH 136 or MATH 141	NATURAL SCIENCE ELECTIVE *** **4**		FCWR 101* **3** FOUND. OF COLLEGE COMPOSITION Pre-Req: Placement Exam or WRIT 100	FCIQ 101 **3** FOUNDATIONS OF INQUIRY		16
YEAR 1 SPRING	CSCI 125 **3** COMP. PROGRAMMING I Co-Req: MATH 136 or MATH 141 or higher			MATH 180 **4** CALCULUS II Pre-Req: MATH 170	NATURAL SCIENCE ELECTIVE *** **4**		FCWR 151* **3** FOUND. OF RESEARCH WRITING Pre-Req: FCWR 101	FCSP 105 **3** FOUNDATIONS OF SPEECH COMMUNICATION		17
YEAR 2 FALL	CSCI 185 **3** COMPUTER PROGRAMMING II Pre-Req: CSCI 125 or CSCI 120	CSCI 135 **3** DIGITAL LOGIC DESIGN FUNDAMENTALS Pre-Req: MATH 136 or MATH 141 or higher		MATH 310 **3** LINEAR ALGEBRA Pre-Req: MATH 180	NATURAL SCIENCE ELECTIVE *** **3**		FCWR 304 **3** COMMUNICATION FOR TECHNICAL PROFESSIONS Pre-Req: FCWR 151			15
YEAR 2 SPRING	CSCI 260 **3** DATA STRUCTURES Pre-Req: MATH 161 or MATH 170, and CSCI 185	CSCI 235 **3** ELEMENTS OF DISCRETE STRUCTURES Pre-Req: CSCI 185, and MATH 161 or MATH 170	CSCI 155 **3** COMPUTER ORGANIZATION AND ARCHITECTURE Pre-Req: CSCI 125, CSCI 135 or EENG 125, and MATH 161 or MATH 170	ETCS 108 **3** COMPUTER, INTERNET AND SOCIETY	LIBERAL ARTS ELECTIVE **3** Consult faculty advisor					15
YEAR 3 FALL	CSCI 330 **3** OPERATING SYSTEMS Pre-Req: CSCI 260 and CSCI 185 or CSCI 210	CSCI 270 **3** PROBABILITY AND STATISTICS FOR CS Pre-Req: MATH 180 and CSCI 235	CSCI 312 **3** THEORY OF COMPUTATION Pre-Req: CSCI 235	CSCI 318 **3** PROGRAMMING LANGUAGE CONCEPTS Pre-Req: CSCI 260		ICLT 3XX** **3** LITERATURE CHOICE			15
YEAR 3 SPRING	CSCI 335 **3** DESIGN AND ANALYSIS OF ALGORITHMS Pre-Req: CSCI 260	CSCI 345 **3** COMPUTER NETWORKS Pre-Req: CSCI 330	CSCI 300 **3** DATABASE MANAGEMENT Co-Req: CSCI 260		MATH/SCIENCE **3** ELECTIVE Department Approval Required	ICBS 3XX** **3** BEHAVIORAL SCIENCE CHOICE			15
YEAR 4 FALL	CSCI 456 **2** SENIOR PROJECT I Department Consent Required.	CSCI 380 **3** INTRO. TO SOFTWARE ENGINEERING Pre-Req: CSCI 260	COMPUTER SCIENCE CONCENTRATION **3** *Department Approval	COMPUTER SCIENCE CONCENTRATION **3** *Department Approval	MATH/SCIENCE **3** ELECTIVE Department Approval Required	ICPH 3XX** **3** PHILOSOPHY CHOICE			17
YEAR 4 SPRING	CSCI 457 **2** SENIOR PROJECT II Department Consent Required.	COMPUTER SCIENCE CONCENTRATION **3** *Department Approval	COMPUTER SCIENCE CONCENTRATION **3** *Department Approval		GENERAL ELECTIVE **3**	ICSS 309/IENG 400** **3** TECHNOLOGY AND GLOBAL ISSUES Junior or Senior Status			14
CREDITS										**122-124**

*Non-native English speakers should take FCWR 111 in lieu of FCWR 101 and FCWR 161 in lieu of FCWR 151.

**Pre-Req: FCWR 101, FCWR 151, FCIQ 101, FCSP 105, FCSC 101

[Note] Students must receive C- or higher in all required Math, Science, ETCS, CSCI, EENG, and ITEC courses.

Course names, numbers and/or pre-requisites are subject to change. (Rev 4/20)

***Natural Science Options: *Choose one*			Computer Science Concentration Options: *Select one concentration and complete 12 credits*		
Option I	**Option II**	**Option III**	**Big Data Management and Analytics**	**Network Security**	**General Option**
PHYS 170 General Physics I PHYS 180 General Physics II Life Science Elective: Biology or Chemistry (3 credits)	CHEM 110 General Chemistry I CHEM 150 General Chemistry II Physics Elective (3 credits)	BIOL 110 General Biology I BIOL 150 General Biology II Physics Elective (3 credits)	CSCI 401 Database Interfaces and Programming CSCI 405 Distributed Database Systems CSCI 415 Introduction to Data Mining CSCI 426 Information Retrieval CSCI 436 Big Data Analytics	CSCI 352 Intro to Network and Internet Security CSCI 354 Principles of Information Security CSCI 357 CISCO Academy Level 1 CSCI 362 Info. System Security Engineering & Admin. CSCI 440 Network Security & Perimeter Protection CSCI 445 Operating System Security CSCI 460 Special Topics I CSCI 470 Special Topics II	*Choose four CSCI/ITEC 300-400 level courses*