

YEAR TERM		MAJOR					CORE		TOTAL CREDITS
YEAR 1	FALL	ETCS 105 2 CAREER DISCOVERY			MATH 170 4 CALCULUS I Pre-Req: Placement Exam or TMAT 155, MATH 136 or MATH 141	NATURAL SCIENCE ELECTIVE *** 4	FCWR 101* 3 FOUNDATIONS OF COLLEGE COMPOSITION Pre-Req: Placement or WRIT 100	FCIQ 101 3 FOUNDATIONS OF INQUIRY	16
	SPRING	CSCI 125 3 COMPUTER PROGRAMMING I Co-Req: MATH 136, MATH 141 or higher			MATH 180 4 CALCULUS II Pre-Req: MATH 170	NATURAL SCIENCE ELECTIVE *** 4	FCWR 151* 3 FOUNDATIONS OF RESEARCH WRITING Pre-Req: FCWR 101	FCSC 101 3 FOUNDATIONS OF SCIENTIFIC PROCESS	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	FCSP 105 3 FOUNDATIONS OF SPEECH COMMUNICATION		15
	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, CSCI 130 or EENG 125 and MATH 161 or MATH 170	ETCS 108 3 COMPUTER, INTERNET AND SOCIETY		FCWR 304 3 COMMUNICATION FOR TECHNICAL PROFESSIONS Pre-Req: FCWR 151		15
YEAR 3	FALL	CSCI 330 3 OPERATING SYSTEMS Pre-Req: CSCI 260, and CSCI 185	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 or CSCI 325	CSCI 318 3 PROGRAMMING LANGUAGE CONCEPTS Pre-Req: CSCI 260		ICLT 3XX** 3 LITERATURE CHOICE		15
	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 ELECTIVE 3	ICBS 3XX** 3 BEHAVIORAL SCIENCE CHOICE		15
YEAR 4	FALL	CSCI 380 3 INTRODUCTION TO SOFTWARE ENGINEERING Pre-Req: CSCI 260	COMPUTER SCIENCE CONCENTRATION 3 *Department Approval	COMPUTER SCIENCE CONCENTRATION 3 *Department Approval		MATH/SCIENCE ELECTIVE 3	ICPH 3XX** 3 PHILOSOPHY CHOICE		15
	SPRING	CSCI 455 3 SENIOR PROJECT Department Consent Required. Limited to Seniors	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		15
CREDITS									121-123

*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

***Natural Science Options: Choose one			Computer Science Concentrations: 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 436 Big Data Analytics CSCI 426 Information Retrieval CSCI 401 Database Interfaces and Programming CSCI 405 Distributed Database Systems CSCI 415 Introduction to Data Mining	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 (rev 5/19)