

COLLEGE OF COMPUTING AND ENGINEERING
 DEGREE CURRICULUM SHEET | 2021-2022 CATALOG
 Bachelor of Science - Information Technology

FIRST YEAR SEMINAR

Course	Credits	Frequency
UNIV 1000: First Year Seminar	3	
Total First Year Seminar Credits	3	

GENERAL EDUCATION REQUIREMENTS

Area/Course	Credits	Frequency
<u>Written Composition</u> 6 credits at or above COMP 1500		
COMP 1500 College Writing	3	FW
COMP 2000 Advanced College Writing	3	FW
<u>Mathematics</u> 6 credits at or above MATH 1040		
satisfied by major	3	FW
satisfied by major	3	FW
<u>Arts & Humanities</u> 6 credits in HIST, ARTS, PHIL, HUMN, LITR, THEA, FILM, MUSC, DANC, WRIT, foreign language		
Open Arts & Humanities	3	FW
Open Arts & Humanities	3	FW
<u>Social & Behavioral Sciences</u> 6 credits in PSYC, SOCL, ANTH, ECN, COMM, GEOG, GEST, INST, POLS		
Open Social & Behavioral Sciences	3	FW
Open Social & Behavioral Sciences	3	FW
<u>Science</u> 6 credits in BIOL, MBIO, CHEM, SCIE, ENVS, PHYS		
Open Science	3	FW
Open Science	3	FW
Total General Education Credits	30	

OPEN ELECTIVES

Take 38 elective credits	38	
Total Open Electives Credits	38	

MAJOR PREREQUISITES

Course	Credits	Frequency
MATH 1200 Precalculus Algebra (or higher)	3	FW
MATH 2020 Applied Statistics	3	FW
Total Major Requirements Credits	6	

REQUIREMENTS

Course	Credits	Frequency
CSIS 1800 Introduction to Computer and Info. Sciences	3	FW
CSIS 2000 Introduction to Database Systems	3	W
CSIS 2101 Fundamentals of Computer Programming	4	FW
CSIS 3020 Web Programming and Design	3	F
CSIS 3023 Legal and Ethical Aspects of Computers	3	F
CSIS 3500 Networks and Data Communication	3	F
CSIS 4010 Computer Security	3	F
CSIS 4311 Web Services and Systems	3	W
CSIS 4351 Human-Computer Interaction	3	W
CSIS 4501 Wireless Network Infrastructures	3	W
TECH 4900 Directed Project*	3	FW
TECH 4950 Internship in Technology*	3	FW
Total Major Core Requirements Credits	34	

ELECTIVES

Course	Credits	Frequency
Select any 15 credits from any of TECH, and CSIS.		
Total Major Elective Credits	15	

* These courses can be counted only once, either as a core course or as a major elective; only 3 credits of each of these courses may be applied to the major.

Frequency Key: F-Every Fall; W-Every Winter; FO - Odd Year Fall; FE - Even Year Fall; WO - Odd Year Winter; WE - Even Year Winter

TOTAL CREDITS: 120

Freshman Year				
Fall		Winter		
Course	Credits	Course	Credits	
UNIV First Year Seminar	3	Open Written Communication	3	
Open Arts & Humanities	3	Open Arts & Humanities	3	
MATH 1200 Precalculus Algebra (or higher)	3	MATH 2020 Applied Statistics	3	
CSIS 1800 Introduction to Computer Science and Computer Info Systems	3	Open Elective	3	
Open Elective	3	Open Elective	3	
Total Credits	15	Total Credits	15	

Sophomore Year				
Fall		Winter		
Course	Credits	Course	Credits	
Open Written Communication	3	CSIS 2000 Introduction to Database Systems	3	
Open Science	3	CSIS 4351 Human-Computer Interaction	3	
Open Social & Behavioral Sciences	3	Major Elective	3	
CSIS 2101 Fundamentals of Comp. Programming	4	Open Elective	3	
Open Elective	3	Open Elective	3	
Total Credits	16	Total Credits	15	

Junior Year				
Fall		Winter		
Course	Credits	Course	Credits	
CSIS 3500 Networks and Data Communication	3	Open Social & Behavioral Sciences	3	
CSIS 3020 Web Programming and Design	3	Open Science	3	
Major Elective	3	CSIS 4311 Web Services and Systems	3	
Open Elective	3	Major Elective	3	
Open Elective	3	Open Elective	3	
Total Credits	15	Total Credits	14	

Senior Year				
Fall		Winter		
Course	Credits	Course	Credits	
CSIS 4010 Computer Security	3	Tech 4900 Directed Project or TECH 4950 Internship in	3	
CSIS 3023 Legal and Ethical Aspects of Computers	3	CSIS 4501 Wireless Network Infrastructures	3	
Major Elective	3	Major Elective	3	
Open Elective	3	Open Elective	3	
Open Elective	3	Open Elective	3	
Total Credits	15	Total Credits	15	

TOTAL CREDITS: 120

**This sample plan is based on the student starting at least at the level of MATH 1200: Pre calculus Algebra. The plan will need to be adjusted for students who begin at a lower level of MATH.*