Nova Southeastern University
NSUWorks

College of Engineering and Computing Course Catalogs

NSU Course Catalogs and Course Descriptions

2015

Bachelor of Science-Information Technology Degree Curriculum

Nova Southeastern University

NSUWorks Citation

GENERAL EDUCATION REQUIREMENTS		
Area/Course	**Credits**	**Frequency**
Written Composition		
6 credits at or above COMP 1500		
Open Written Communication	3	
Open Written Communication	3	
Mathematics		
6 credits at or above MATH 1040		
Satisfied by major	3	
Open Math	3	
Arts & Humanities		
6 credits in HIST, ARTS, PHIL, HUMN, LITR, THEA,		
FILM, MUSC, DANC, WRIT, foreign language		
Open Arts & Humanities	3	
Open Arts & Humanities	3	
Social & Behavioral Sciences		
6 credits in PSYC, SOCL, ANTH, ECN, COMM, GEOG,		
GEST, INST, POLS		
Open Social & Behavioral Sciences	3	
Open Social & Behavioral Sciences	3	
Science		
6 credits in BIOL, MBIO, CHEM, SCIE, ENVS, PHYS		
Open Science	3	
Open Science	3	
Total General Education Credits	**30**	

MAJOR		
Course	**Credits**	**Frequency**
MATH 1200 Precalculus Algebra (or higher)	3	FW
CSIS 2000 Introduction to Database Systems	3	F
CSIS 2050 Discrete Mathematics	3	FW
CSIS 2101 Fundamentals of Computer Programming *or*	4	FW
TECH 2100 Introduction to Programming	4	W
CSIS 3500 Networks and Data Communication	3	F
CSIS 4010 Computer Security	3	W
CSIS 4530 Database Management	3	W
TECH 1111 Computer Applications	3	FW
TECH 1800 Introduction to Information Technology *or*	3	F
CSIS 1800 Introduction to Computer and Info. Sciences	3	FW
TECH 2150 Introduction to Internet Resources	3	W
TECH 3000 Multimedia Design	3	W
TECH 3010 Principles of Web Site Design	3	F
TECH 3022 Integrative Programming and Technologies	3	F
TECH 3810 Computing Platforms	3	W
TECH 4055 System Architecture	3	W
TECH 4310 Web Services and Systems	3	W
TECH 4350 Human-Computer Interaction	3	W
TECH 4900 Directed Project* *or*	3	W
TECH 4950 Internship in Technology*	3	W
Total Major Credits	**55**	

OPEN ELECTIVES		
take 26 elective credits	26	
Total Open Electives Credits	**26**	

*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

MAJOR ELECTIVES		
Course	**Credits**	**Frequency**
Select 9 credits from the following:		
CSIS 3023 Legal and Ethical Aspects of Computers	3	F
CSIS 4500 Network Security	3	F
TECH 2130 Business Applications of Microcomputers	3	W
TECH 4500 Wireless Network Infrastructures	3	W
TECH 4710 Basic Computer Forensics	3	FO
TECH 4890 Special Topics in Information Technology	3	I
TECH 4900 Directed Project*	3	W
TECH 4950 Internship in Technology*	3	W
TECH 4990 Independent Study in Technology	3	FW
Total Major Elective Credits	**9**	

TOTAL CREDITS: 120

last modified 8.2015

Freshman Year

Fall		Winter	
Course	Credits	Course	Credits
Open Written Communication	3	Open Written Communication	3
Open Arts & Humanities	3	Open Arts & Humanities	3
MATH 1200 Precalculus Algebra (or higher)	3	Open Math	3
TECH 1111 Computer Applications	3	CSIS 1800 Intro. to Computer and Info. Sciences *or*	3
Open Elective	3	TECH 1800 Introduction to Information Technology	
		Open Elective	3
Total Credits	**15**	**Total Credits**	**15**

Sophomore Year

Fall		Winter	
Course	Credits	Course	Credits
Open Social & Behavioral Sciences	3	Open Social & Behavioral Sciences	3
Open Science	3	Open Science	3
CSIS 2000 Introduction to Database Systems	3	CSIS 2101 Fundamentals of Comp. Programming *or*	4
CSIS 2050 Discrete Mathematics	3	TECH 2100 Introduction to Programming	
Open Elective	3	TECH 3000 Multimedia Design	3
		TECH 2150 Introduction to Internet Resources	3
Total Credits	**15**	**Total Credits**	**16**

Junior Year

Fall		Winter	
Course	Credits	Course	Credits
CSIS 3500 Networks and Data Communication	3	CSIS 4010 Computer Security	3
TECH 3010 Principles of Web Site Design	3	CSIS 4530 Database Management	3
Major Elective	3	TECH 3810 Computing Platforms	3
Open Elective	3	TECH 4055 System Architecture	3
Open Elective	3	Open Elective	3
Total Credits	**15**	**Total Credits**	**15**

Senior Year

Fall		Winter	
Course	Credits	Course	Credits
TECH 3022 Integrative Programming and Technologies	3	TECH 4310 Web Services and Systems	3
TECH 4900 Directed Project *or*	3	TECH 4350 Human-Computer Interaction	3
TECH 4950 Internship in Technology		Major Elective	3
Major Elective	3	Open Elective	3
Open Elective	3	Open Elective	2
Open Elective	3		
Total Credits	**15**	**Total Credits**	**14**

TOTAL CREDITS: 120

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

NOTE: TECH 4900, TECH 4950, and TECH 4900 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.