

INFORMATION TECHNOLOGY

Bachelor of Science

NAME:

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	Grade	Semester	Minimum Grade of "D" Required:		Grade	Semester	Minimum Grade of "C" Required:	
ENGLISH (12 hrs)			ENGL 101 Freshman Composition (3 hrs)				MATH 163 Applied Calculus (3 hrs)	MATH (6 hrs)
			ENGL 102 Critical Reading and Writing (3 hrs)				MATH 241 Elementary Statistics (3 hrs)	
			ENGL 230, 231 <u>or</u> 232 (3 hrs)				CMPS 161 Algorithm Design & Implementation I (3 hrs)	
			ENGL 322 Intro to Prof and Technical Writing (3 hrs)				CMPS 257 Discrete Structures <u>or</u> MATH 223 Foundations of Discrete Mathematics (3 hrs)	
NATURAL SCIENCE (15 hrs)			GBIO 151 - General Biology 1 (3 hrs)				CMPS 280 Algorithm Design & Implementation II (3 hrs)	COMPUTER SCIENCE (57 hrs)
			BIOL 152 - Biology Lab 1 (1 hrs)				CMPS 285 Software Engineering (3 hrs)	
			Science Course Lecture (3 hrs)				CMPS 290 Computer Organization <u>or</u> CMPS 293 Assembly Language (3 hrs)	
			Science Course Lab (1 hrs)				CMPS 294 Internet Programming (3 hrs)	
			Science Course Lecture (3 hrs)				CMPS 315 System Administration (3 hrs)	
			Science Course Lab (1 hrs)				CMPS 329 Computer Networking and Security (3 hrs)	
			Science Course Lecture (3 hrs)				CMPS 339 Database Administration (3 hrs)	
			Choose a two-course science sequence of lectures/lab coursework from the same set of courses: either (Biology 151/152 & 153/154) <u>or</u> (Physics 221/223 & 222/224) <u>or</u> (Chemistry 121/123 & 122/124). All must come from the above set of science courses.				CMPS 375 Computer Architecture (3 hrs)	
Application Area (13 hrs)			Application Area / Free Elective (3 hrs)				CMPS 383 Information Systems (3 hrs)	
			Application Area / Free Elective (3 hrs)				CMPS 390 Data Structures (3 hrs)	
			Application Area / Free Elective (3 hrs)				CMPS 411 Capstone I (3 hrs)	
			Application Area / Free Elective (3 hrs)				CMPS 415 Integrated Technologies for Enterprise Systems (3 hrs)	
			Application Area / Free Elective (3 hrs)				CMPS 420 Human Computer Interaction (3 hrs)	
			Application Area / Free Elective (1 hrs)				CMPS 431 Operating Systems (3 hrs)	
		Consult with a computer science faculty member on which courses to take, but essentially these are fre electives.				CMPS 482 Current Trends in Computer Science (3 hrs)		
OTHER (17 hrs)			ART, DNC, MUS, HONR or THEA (3 hrs)				CMPS Information Technology Elective (3 hrs)	
			HIST Elective (3 hrs)			Choose from: CMPS 389, 394, 409, 455, 494 (Additional Math is needed for 389)		
			COMM 211 Introduction to Public Speaking (3 hrs)				CMPS Theory Elective (3 hrs)	
			Social Science (3 hrs)			Choose From: CMPS 391, 401, 434, 441, 443, 470, 479, 493. (Additional Math is needed for 391, 434 and 443)		
			Social Science (3 hrs)			Grade of "C" or better in <u>ALL</u> Computer Science courses and in Math 163 and 241.		
			Social Science Choices: Anthropology, Criminal Justice, Economics, Geography, Psychology, Political Science, or Sociology.					
		SE 101 <u>or</u> Free Elective (2 hrs)				Southeastern 101 is not required of transfer or re-admitted Southeastern students with 30 hours or more.		

LAST UPDATED: 05/15/2020

TOTAL MAJORS HOURS: 57 TOTAL SEMESTER HOURS: 120
(NOTE: 1/2 of all major hours must be taken at Southeastern)