

# Information Technology

## Bachelor of Science

CATALOG YEAR: 2018-2019

NAME:

W#:

	Grade	Semester	Minimum Grade of D Required:	Grade	Semester	Minimum Grade of C required:	
ENGLISH (12 hrs)			ENGL 101 Freshman Composition (3 hrs)			MATH 165 Precalculus with Trigonometry (3 hrs)	MATH
			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)	
NATURAL SCIENCE (15 hrs)			ENGL 322 Intro to Prof and Technical Writing (3 hrs)			CMPS 257 Discrete Structures or MATH 223 Foundations of Discrete Mathematics (3 hrs)	Computer Science (57 hrs)
			Science Sequence I Lecture (3 hrs)			CMPS 280 Algorithm Design & Implementation II (3 hrs)	
			Science Sequence I Lab (1 hr)			CMPS 285 Software Engineering (3 hrs)	
			Science Sequence II Lecture (3 hrs)			CMPS 290 Computer Organization or CMPS 293 Assembly Language (3 hrs)	
			Science Sequence II Lab (1 hr)			CMPS 294 Internet Programming (3 hrs)	
			Science Course Lecture (3 hrs)			CMPS 315 System Administration (3 hrs)	
			Science Course Lab (1 hr)			CMPS 329 Computer Networking and Security (3 hrs)	
			Science Course Lecture (3 hrs)			CMPS 339 Database Administration (3 hrs)	
Application Area (13 hrs)	Biology 151/152 must be taken. A two-course sequence of lectures/lab coursework must be taken: either Biology 151/152 & 153/154 or Physics 191/193 & Physics 192/194 or Physics 221/223 & Physics 222/224 or Chemistry 121/123 & 122/124. All science course must come from the above set of science courses.					CMPS 375 Computer Architecture (3 hrs)	Computer Science (57 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 (1 hr)			CMPS 420 Human Computer Interaction (3 hrs)	
OTHER (17 hrs)	Consult with a computer science faculty member on which courses to take, but essentially these are free electives.					CMPS 431 Operating Systems(3 hrs)	Computer Science (57 hrs)
			ART, DNCE, MUS, <u>or</u> THEA (3 hrs)	Choose from: CMPS 389, 394, 409, 455, 494. (Additional Math is needed for 389)		CMPS 482 Current Trends in Computer Science (3 hrs)	
			HIST Elective (3 hrs)			CMPS Information Technology Elective (3 hrs)	
				Choose from: CMPS 391, 401, 434, 441, 443, 470, 479, 493. (Additional Math is needed for 391, 434, and 443)			
			COMM 211 Introduction to Public Speaking (3 hrs)	Grade of "C" or better in all Computer Science courses and in Math 165 and 241			
			Social Science (3 hrs)	Social Science Choices: Anthropology, Criminal Justice, Economics, Geography, Psychology, Political Science, or Sociology.			
			Social Science (3 hrs)				
		SE 101 or Free Elective (2 hrs)	Southeastern 101 is not required of transfer or re-admitted Southeastern students with 30 hours or more.				

LAST UPDATED: 07/05/2018

TOTAL MAJORS HOURS: 57 TOTAL SEMESTER HOURS: 120  
(NOTE: ½ of all major hours must be taken at Southeastern.)