Information Technology

Bachelor of Science

CATALOG YEAR: **2014-2015**

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 _or_ **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 (3 hrs) _(Can be substituted with MATH 223)_	
NATURAL SCIENCE (15 hrs)			**Science** Sequence I Lecture (3 hrs)			**CMPS 280** Algorithm Design & Implementation II (3 hrs)	**Computer Science (57 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 375** Computer Architecture (3 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 383** Information Systems (3 hrs)	
						CMPS 390 Data Structures (3 hrs)	
						CMPS 411 Capstone I (3 hrs)	
Application Area (13 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 (3 hrs)			**CMPS 431** Operating Systems(3 hrs)	
			Application Area / Free Elective (3 hrs)			**CMPS 439** Database Systems (3 hrs)	
			Application Area / Free Elective (1 hr)			**CMPS 482** Current Trends in Computer Science (3 hrs)	
	Consult with a computer science faculty member on which courses to take, but essentially these are free electives.					**CMPS** Information Technology Elective (3 hrs)	
OTHER (17 hrs)			**ART, DNCE, MUS**, _or_ **THEA** (3 hrs)	Choose from: CMPS 389, 394, 409, 455, 494. (Additional Math is needed for 389)			
			HIST Elective (3 hrs)			**CMPS** Theory Elective (3 hrs)	
			COMM 211 Introduction to Public Speaking (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)	Social Science Choices: Anthropology, Economics, Geography, Psychology, Political Science or Sociology. Once course must be at 200 level or higher.			
			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: 03/22/2014

TOTAL MAJORS HOURS: 57 TOTAL SEMESTER HOURS: 120

(NOTE: ½ of all major hours must be taken at Southeastern.)