

# Information Technology

## Bachelor of Science

CATALOG YEAR: 2015-2016

NAME:

W#:

	Grade	Semester	Minimum Grade of D Required:	Grade	Semester	Minimum Grade of C required:	
<b>ENGLISH (12 hrs)</b>			<b>ENGL 101</b> Freshman Composition (3 hrs)			<b>MATH 165</b> Precalculus with Trigonometry (3 hrs)	<b>MATH</b>
			<b>ENGL 102</b> Critical Reading and Writing (3 hrs)			<b>MATH 241</b> Elementary Statistics (3 hrs)	
			<b>ENGL 230, 231</b> <i>or</i> <b>232</b> (3 hrs)			<b>CMPS 161</b> Algorithm Design & Implementation I (3 hrs)	
<b>NATURAL SCIENCE (15 hrs)</b>			<b>ENGL 322</b> Intro to Prof and Technical Writing (3 hrs)			<b>CMPS 257</b> Discrete Structures (3 hrs) ( <i>Can be substituted with MATH 223</i> )	<b>Computer Science (57 hrs)</b>
			<b>Science</b> Sequence I Lecture (3 hrs)			<b>CMPS 280</b> Algorithm Design & Implementation II (3 hrs)	
			<b>Science</b> Sequence I Lab (1 hr)			<b>CMPS 285</b> Software Engineering (3 hrs)	
			<b>Science</b> Sequence II Lecture (3 hrs)			<b>CMPS 290</b> Computer Organization or <b>CMPS 293</b> Assembly Language (3 hrs)	
			<b>Science</b> Sequence II Lab (1 hr)			<b>CMPS 294</b> Internet Programming (3 hrs)	
			<b>Science</b> Course Lecture (3 hrs)			<b>CMPS 315</b> System Administration (3 hrs)	
			<b>Science</b> Course Lab (1 hr)			<b>CMPS 329</b> Computer Networking and Security (3 hrs)	
			<b>Science</b> Course Lecture (3 hrs)			<b>CMPS 339</b> Database Administration (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					<b>CMPS 375</b> Computer Architecture (3 hrs)	
						<b>CMPS 383</b> Information Systems (3 hrs)	
					<b>CMPS 390</b> Data Structures (3 hrs)		
<b>Application Area (13 hrs)</b>			<b>Application Area / Free Elective</b> (3 hrs)			<b>CMPS 411</b> Capstone I (3 hrs)	
			<b>Application Area / Free Elective</b> (3 hrs)			<b>CMPS 415</b> Integrated Technologies for Enterprise Systems (3 hrs)	
			<b>Application Area / Free Elective</b> (3 hrs)			<b>CMPS 420</b> Human Computer Interaction (3 hrs)	
			<b>Application Area / Free Elective</b> (3 hrs)			<b>CMPS 431</b> Operating Systems(3 hrs)	
			<b>Application Area / Free Elective</b> (1 hr)			<b>CMPS 482</b> 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.			<b>CMPS</b> Information Technology Elective (3 hrs)	
<b>OTHER (17 hrs)</b>			<b>ART, DNCE, MUS, or THEA</b> (3 hrs)	Choose from: CMPS 389, 394, 409, 455, 494. (Additional Math is needed for 389)			
			<b>HIST</b> Elective (3 hrs)			<b>CMPS</b> Theory Elective (3 hrs)	
			<b>COMM 211</b> 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)			
			<b>Social Science</b> (3 hrs)	Social Science Choices: Anthropology, Economics, Geography, Psychology, Political Science or Sociology.			
			<b>SE 101 or Free Elective</b> (2 hrs)	Southeastern 101 is not required of transfer or re-admitted Southeastern students with 30 hours or more.			

LAST UPDATED: 04/01/2015

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