COMPUTER SCIENCE
SCIENTIFIC CONCENTRATION

NAME: W#

	Grade	Hrs	Pts	Semester	Minimum Grade of "D" Required:	Grade	Hrs	Pts	Semester	Minimum Grade of "C" Required:	
ENGLISH (12 hrs)		3	0	ANY	**ENGL 101** Freshman Composition		5	0	ANY	**MATH 200** Calculus I	**MATH (19 hrs)**
		3	0	ANY	**ENGL 102** Critical Reading and Writing		5	0	FA / SP	**MATH 201** Calculus II	
		3	0	ANY	**ENGL 229, 230, 231, 232** or **233** Literature		3	0	FA / SP	**MATH 380** [1] Applied Statistics with Probability	
		3	0	ANY	**ENGL 322** Intro to Professional and Technical Writing		3	0	FA / SP	**MATH Elective** [1]	
NATURAL SCIENCE (15 hrs)		3	0	ANY	**Science Sequence** 1 Lecture		3	0	FA / SP	**MATH Elective** [1]	
		1	0	ANY	**Science Sequence** 1 Lab	**Math Electives Choices:** 312, 350, 360, 370, 410, or 414					
		3	0	ANY	**Science Sequence** II Lecture	[1] A minimum grade of **"D"** is required in **MATH 380** and the **MATH electives**					
		1	0	ANY	**Science Sequence** II Lab		3	0	ANY	**CMPS 161** Algorithm Design & Implementation I	**COMPUTER SCIENCE (48 hrs)**
		3	0	ANY	**Science Course** Lecture		3	0	ANY	**MATH 223** Foundations of Discrete Math OR **CMPS 257** Discrete Structures Note: MATH 223 is highly recommended	
		1	0	ANY	**Science Course** Lab		3	0	ANY	**CMPS 280** Algorithim Design & Implementation II	
		3	0	ANY	**Science Course** Lecture		3	0	ANY	**CMPS 285** Software Engineering	
	GBIO 151/BIOL 152 must be taken. A two-course sequence of lectures/lab coursework must also be taken: either Biology 151/152 & 153/154 **or** Physics 221/223 & 222/224 **or** Chemistry 121/123 & 122/124. All science course must come from the above courses.						3	0	ANY	**CMPS 290** Computer Organization OR **CMPS 293** Assembly Language	
ELECTIVES (9 hrs)		3	0	ANY	**Free Elective**		3	0	SP ONLY	**CMPS 375** Computer Architecture	
		3	0	ANY	**Free Elective**		3	0	ANY	**CMPS 390** Data Structures	
		3	0	ANY	**Free Elective**		3	0	FA / SP	**CMPS 391** Numerical Methods OR **MATH 392** Numerical Methods	
GENERAL EDUCATION (17 hrs)		3	0	ANY	**FINE ART Elective**		3	0	FA ONLY	**CMPS 401** Survey of Programming Languages	
		3	0	ANY	**HIST Elective**		3	0	ANY	**CMPS 411** Capstone I	
		3	0	ANY	**COMM 211** Introduction to Public Speaking		3	0	SP ONLY	**CMPS 415** Integrated Technologies for Enterprise Systems	
		3	0	ANY	**ECON 201** Macroeconomics OR **ECON 202** Microeconomics		3	0	ANY	**CMPS 431** Operating Systems	
		3	0	ANY	**Social Science Elective**		3	0	SP ONLY	**CMPS 479** Automata and Formal Languages	
	Social Science Elective Choices: Anthropology, Criminal Justice, Geography, Psychology, Political Science, or Sociology. **Art/Music Elective Choices**: Visual Arts, Music, Dance, or Theatre						3	0	ANY	**CMPS 482** Current Trends in Computer Science	
		2	0	ANY	**SE 101** or **Free Elective**		3	0	ANY	**Computer Science Elective** (300-400 level) [2]	
	Southeastern 101 is not required of transfer or re-admitted Southeastern students with 30 hours or more.						3	0	ANY	**Computer Science Elective** (300-400 level) [2]	
						[2] Can not use CMPS 333. CMPS 400 can only fill 3 CMPS Elective hours. * Grade of "C" or better in all CMPS courses and in Math 200 and 201.					

LAST UPDATED: 07/07/2021

NOTE: 1/2 of all major hours must be taken at Southeastern

CUM GPA:	No grades entered	0 of	120	**TOTAL SEMESTER HOURS (out of 120)**
MAJ GPA:	No grades entered	0 of	48	**TOTAL MAJORS HOURS (out of 48)**
SELU GPA:	No grades entered			

GPA calculation only considers courses listed on this sheet, so it may not be accurate.