COMPUTER SCIENCE
SCIENTIFIC CONCENTRATION

NAME: **W#**

	Grade	Hrs	Pts	Semester	General Education Requirement
ENGLISH (12 hrs)		3	0	ANY	**ENGL 1010** or **1017** Freshman Composition
		3	0	ANY	**ENGL 1020** or **1027** Critical Reading and Writing
		3	0	ANY	**ENGL Humanities** Literature [1]
	[1] **Choose from:** ENGL 2107, 2290, 2300, 2310, 2320, 2330, 2917, 2927				
		3	0	ANY	**ENGL 3220** Intro to Professional and Technical Writing
NATURAL SCIENCE (15 hrs)		3	0	ANY	**Natural Science Sequence** 1 Lecture
		1	0	ANY	**Natural Science Sequence** 1 Lab
		3	0	ANY	**Natural Science Sequence** 2 Lecture
		1	0	ANY	**Natural Science Sequence** 2 Lab
		3	0	ANY	**Natural Science Course** 3 Lecture
		1	0	ANY	**Natural Science Course** 3 Lab
		3	0	ANY	**Natural Science Course** 4 Lecture
	BIOL 1510 or **BIOL 1517/BIOL 1520** must be taken. A two-course sequence of lectures/lab coursework must also be taken: either Biology 1510 or 1517/1520 & 1530 or 1537/1540 **or** Physics 2210/2230 & Physics 2220/2240; **or** Chemistry 1210 or 1217/1230 & 1220 or 1227/1240. All science courses must come from above list.				
ELECTIVES (9 hrs)		3	0	ANY	**Free Elective**
		3	0	ANY	**Free Elective**
		3	0	ANY	**Free Elective**
	Consult with your assigned advisor to choose elective courses.				
GENERAL EDUCATION (17 hrs)		3	0	ANY	**FINE ARTS GEN ED** [2]
	[2] **Choose from:** ART 1050, 1060; DNC 1000; HONR 1917; MUS 1510, 1710; or THEA 1310				
		3	0	ANY	**HIST/PHIL Elective** [3]
	[3] **Choose from:** HIST 1010, 1017, 1020, 1027, 1070, 1080, 2010, 2017, 2020, 2027 PHIL 3010, 3020, 3100, 3130				
		3	0	ANY	**COMM 2110** Introduction to Public Speaking
		3	0	ANY	**ECON 2010** Macroeconomics **OR** **ECON 2020** Microeconomics
		3	0	ANY	**Social Science Elective** [4]
	[4] **Choose from:** ANTH 1010, 1100; CJ 1010; ECON 1010, 1020, 2010, 2020; GEOG 1030, 1260; POLI 2010, 2020; PSYC 1010, 1020, 1167, 1177, 2040, 2100; SOC 1010, 1017, 2120, 2150. 2220				
		2	0	ANY	**First Year Seminar**

Grade	Hrs	Pts	Semester	Minimum Grade of "C" Required:	
	5	0	ANY	**MATH 2000** Calculus I	**MATH (19 hrs)**
	5	0	FA / SP	**MATH 2010** Calculus II	
	3	0	FA / SP	**MATH 3800** [1] Mathematical Statistics I	
	3	0	FA / SP	**MATH Elective** [5,1]	
	3	0	FA / SP	**MATH Elective** [5,1]	
[5] **Math Electives Choices:** 3120, 3500, 3600, 3700, 4100, or 4140					
[1] A minimum grade of **"D"** is required in **MATH 3800** and the **MATH electives**					
	3	0	ANY	**CMPS 1610** Algorithm Design & Implementation I	**COMPUTER SCIENCE (48 hrs)**
	3	0	ANY	**CMPS 2570** Discrete Structures OR **MATH 2230** Foundations of Discrete Math Note: MATH 2230 is highly recommended requires MATH 2000	
	3	0	ANY	**CMPS 2800** Algorithim Design & Implementation II	
	3	0	ANY	**CMPS 2850** Software Engineering	
	3	0	ANY	**CMPS 2900** Computer Organization OR **CMPS 2930** Assembly Language	
	3	0	SP ONLY	**CMPS 3750** Computer Architecture	
	3	0	ANY	**CMPS 3900** Data Structures	
	3	0	FA / SP	**CMPS 3910** Numerical Methods **OR** **MATH 3920** Numerical Methods	
	3	0	FA ONLY	**CMPS 4010** Survey of Programming Languages	
	3	0	ANY	**CMPS 4110** Capstone I	
	3	0	SP ONLY	**CMPS 4150** Integrated Technologies for Enterprise Systems	
	3	0	ANY	**CMPS 4310** Operating Systems	
	3	0	SP ONLY	**CMPS 4790** Automata and Formal Languages	
	3	0	ANY	**CMPS 4820** Current Trends in Computer Science	
	3	0	ANY	**CMPS Elective** (3000-4000 level) [6]	
	3	0	ANY	**CMPS Elective** (3000-4000 level) [6]	

[6] Can not use **CMPS 3330** or **CMPS 4000** (can be used to fill general elective only)

Southeastern 1010 is not required of transfer or re-admitted Southeastern students with 30 hours or more.

< **Choose from:** SE 1010, 1070 or two semesters of SE 1020

LAST UPDATED: 04/07/2025

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

CUM GPA:	**No grades entered**
MAJ GPA:	**No grades entered**
SELU GPA:	**No grades entered**

0 of 120 **TOTAL SEMESTER HOURS (out of 120)**

0 of 48 **TOTAL MAJORS HOURS (out of 48)**

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