

BS in Mathematics - Scientific Computing Concentration

College of Science & Technology

NAME:				W#:			
Grade	Hrs	QP	Minimum Grade of D Required:	Grade	Hrs	QP	Minimum Grade of C required:
ENGLISH (12 hrs)			ENGL 101: Freshman Comp (3 hrs)				MATH 200: Calculus I (5 hrs)
			ENGL 102: Critical Reading & Writing (3 hrs)				MATH 201: Calculus II (5 hrs)
			ENGL 230, 231, or 232: Lit (3 hrs)				MATH 223: Discrete Math (3 hrs)
			ENGL 322: Technical Writing (3 hrs)				MATH 312: Calculus III (3 hrs)
NATURAL SCIENCE (16 hrs)			GBIO 151: General Biology I (3 hrs)				MATH 350: Differential Eqns (3 hrs)
			BIOL 152: General Biology Lab I (1 hr)				MATH 360: Linear Algebra (3 hrs)
			CHEM 121: General Chemistry I (3 hrs)				MATH 370: Abstract Algebra I (3 hrs)
			CLAB 123: General Chem Lab I(1 hr)				MATH 380: Math Statistics I (3 hrs)
			PHYS 221: General Physics (3 hrs)				MATH 392: Numerical Methods (3 hrs)
			PLAB 223: General Physics Lab (1 hr)				MATH 441: Intro Real Analysis (3 hrs)
			Science Course Lecture II ¹ (3 hrs)				MATH 402, 409, 421 or 480: (3 hrs)
			Science Course Lab II ¹ (1 hr)				MATH 400-level elective ⁴ : (3 hrs)
			¹ Must choose Biology 153/154 or Chemistry 122/124 or Physics 222/224 to complete a one-year science sequence.				MATH 400-level elective ⁴ : (3 hrs)
OTHER (19 hrs)			COMM 211: Introduction to Public Speaking (3 hrs)				⁴ MATH 467, 485, and 486 may not be used to satisfy this requirement.
			ECON 102 or 201 or 202 (3 hrs)				Minimum Grade of D Required:
			ART, DNCE, MUS, or THEA (3 hrs)				CMPS 152 or 161 (3 hrs)
			HIST Elective (3 hrs)				SC 200 or CMPS 280 (3 hrs)
			Social Science ² (3 hrs)				CMPS 285: Software Engineering(3 hrs)
			² Social Science Choices: Anthropology, Criminal Justice, Geography, Psychology, Political Science, or Sociology.				CMPS 340: Intro Data Science (3 hrs)
			SE 101 or Free Elective ³ (2 hrs)				CMPS 390: Data Structures (3 hrs)
ELECTIVES			³ SE 101 is not required of transfer or re-admitted Southeastern students with 30 hours or more.				Concentration elective ⁵ (3 hrs)
			Kinesiology Laboratory (1 hr)				Concentration elective ⁵ (3 hrs)
			Kinesiology Laboratory (1 hr)				Concentration elective ⁵ (3 hrs)
			Free Elective (3 hrs)				⁵ Must choose from MATH 409 or 415, or CMPS 434, 443, 451, or 470.
			Free Elective (3 hrs)				

MATHEMATICS (43 hrs)

COMPUTER SCIENCE (15 hrs)

CONC. ELEC (9 hrs)