

# BS in Mathematics - Pure Mathematics Concentration

College of Science & Technology

NAME:		W#:					
Grade	Hrs	QP	Minimum Grade of D Required:	Grade	Hrs	QP	Minimum Grade of C required:
ENGLISH (9 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, <u>or</u> 232: Lit(3 hrs)				MATH 223: Discrete Math (3 hrs)
NATURAL SCIENCES (19 hrs)			GBIO 151: General Biology I (3 hrs)				MATH 312: Calculus III (3 hrs)
			BIOL 152: General Biology Lab I (1 hr)				MATH 350: Differential Equns (3 hrs)
			CHEM 121: General Chemistry I (3 hrs)				MATH 360: Linear Algebra (3 hrs)
			CLAB 123: General Chem Lab I(1 hr)				MATH 370: Abstract Algebra I (3 hrs)
			PHYS 221: General Physics (3 hrs)				MATH 380: Math Statistics (3 hrs)
			PLAB 223: General Physics Lab (1 hr)				MATH 417: Probability Theory (3 hrs)
			Science Course Lecture II <sup>1</sup> (3 hrs)				MATH 441: Intro Real Analysis (3 hrs)
			Science Course Lab II <sup>1</sup> (1 hr)				MATH 400-level elective <sup>5</sup> : (3 hrs)
			<sup>1</sup> Must choose Biology 153/154 or Chemistry 122/124 or Physics 222/224 to complete a one-year science sequence.				MATH 400-level elective <sup>5</sup> : (3 hrs)
			Science Elective <sup>2</sup> (3 hrs)				MATH 400-level elective <sup>5</sup> : (3 hrs)
		<sup>2</sup> Choose from GBIO 153, CHEM 122, PHYS 222 (to complete a second science lecture sequence), or any 200-, 300-, or 400-level course in Botany, General Biology, Microbiology, Zoology, Chemistry, or Physics.				CMPS (300- or 400-) or MATH (400-level) Elective <sup>5</sup> (3 hrs)	
						<sup>5</sup> MATH 467, 485, and 486 may not be used to satisfy this requirement.	
OTHER (22 hrs)			COMM 211: Introduction to Public Speaking (3 hrs)				<b>Minimum Grade of D Required:</b>
			ECON 102 or 201 or 202 (3 hrs)				CMPS 161: Algorithm Design & Implementation I (3 hrs)
			ART, DNCE, MUS, or THEA (3 hrs)				CMPS 280: Algorithm Design & Implementation II (3 hrs)
			HIST Elective (3 hrs)				FLAN 101 (3 hrs)
			HIST Elective (3 hrs)				FLAN 102 (3 hrs)
			Social Science <sup>3</sup> (3 hrs)				Free Elective (3 hrs)
			<sup>3</sup> Social Science Choices: Anthropology, Criminal Justice, Geography, Psychology, Political Science, or Sociology.				Free Elective (3 hrs)
			SE 101 or Free Elective <sup>4</sup> (2 hrs)				Free Elective (3 hrs)
			<sup>4</sup> SE 101 is not required of transfer or re-admitted Southeastern students with 30 hours or more.				Free Elective (3 hrs)
			Kinesiology Laboratory (1 hr)				
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MATHEMATICS (43 hrs)

Technical Electives (15 hrs)

Electives (12 hrs)