

BS in Mathematics - Pure Mathematics Concentration

College of Science & Technology

NAME:

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	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)	MATHEMATICS (43 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 II¹ (3 hrs)				MATH 441: Intro Real Analysis (3 hrs)	
				Science Course Lab II¹ (1 hr)				MATH 400-level elective⁵: (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 elective⁵: (3 hrs)	
				Science Elective² (3 hrs)				MATH 400-level elective⁵: (3 hrs)	
			² 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.	Minimum Grade of D Required:					
OTHER (22 hrs)				COMM 211: Introduction to Public Speaking (3 hrs)				CMPS 161: Algorithm Design & Implementation I (3 hrs)	TECHNICAL (15 hrs)
				ECON 102 or 201 or 202 (3 hrs)				CMPS 280: Algorithm Design & Implementation II (3 hrs)	
				ART, DNCE, MUS, or THEA (3 hrs)				CMPS (300- or 400-) or MATH (400-level) Elective ⁵ (3 hrs)	
				HIST Elective (3 hrs)				⁵ MATH 467, 485, and 486 may not be used to satisfy this requirement.	
				HIST Elective (3 hrs)				FLAN 101 (3 hrs)	
				Social Science³ (3 hrs)				FLAN 102 (3 hrs)	
				³ Social Science Choices: Anthropology, Criminal Justice, Geography, Psychology, Political Science, or Sociology.				Free Elective (3 hrs)	ELECTIVES (12 hrs)
				SE 101 or Free Elective⁴ (2 hrs)				Free Elective (3 hrs)	
				⁴ 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)				Free Elective (3 hrs)		
			Kinesiology Laboratory (1 hr)						