

# 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:
<b>ENGLISH (9 hrs)</b>			<b>ENGL 101:</b> Freshman Comp (3 hrs)				<b>MATH 200:</b> Calculus I (5 hrs)
			<b>ENGL 102:</b> Critical Reading & Writing (3 hrs)				<b>MATH 201:</b> Calculus II (5 hrs)
			<b>ENGL 230, 231, <u>or</u> 232:</b> Lit(3 hrs)				<b>MATH 223:</b> Discrete Math (3 hrs)
<b>NATURAL SCIENCES (19 hrs)</b>			<b>GBIO 151:</b> General Biology I (3 hrs)				<b>MATH 312:</b> Calculus III (3 hrs)
			<b>BIOL 152:</b> General Biology Lab I (1 hr)				<b>MATH 350:</b> Differential Equns (3 hrs)
			<b>CHEM 121:</b> General Chemistry I (3 hrs)				<b>MATH 360:</b> Linear Algebra (3 hrs)
			<b>CLAB 123:</b> General Chem Lab I(1 hr)				<b>MATH 370:</b> Abstract Algebra I (3 hrs)
			<b>PHYS 221:</b> General Physics (3 hrs)				<b>MATH 380:</b> Math Statistics I (3 hrs)
			<b>PLAB 223:</b> General Physics Lab (1 hr)				<b>MATH 441:</b> Intro Real Analysis (3 hrs)
			<b>Science Course Lecture II<sup>1</sup></b> (3 hrs)				<b>MATH 402 or 409 or 421 or 480:</b> (3 hrs)
			<b>Science Course Lab II<sup>1</sup></b> (1 hr)				<b>MATH 400-level elective<sup>5</sup>:</b> (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.				<b>MATH 400-level elective<sup>5</sup>:</b> (3 hrs)
			<b>Science Elective<sup>2</sup></b> (3 hrs)				<b>MATH 400-level elective<sup>5</sup>:</b> (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.				<b>CMPS (300- or 400-) or MATH (400-level) Elective<sup>5</sup></b> (3 hrs)	
						<sup>5</sup> MATH 467, 485, and 486 may not be used to satisfy this requirement.	
<b>OTHER (22 hrs)</b>			<b>COMM 211:</b> Introduction to Public Speaking (3 hrs)	<b>Minimum Grade of D Required:</b>			
			<b>ECON 102 or 201 or 202</b> (3 hrs)				<b>CMPS 161:</b> Algorithm Design & Implementation I (3 hrs)
			<b>ART, DNCE, MUS, or THEA</b> (3 hrs)				<b>CMPS 280:</b> Algorithm Design & Implementation II (3 hrs)
			<b>HIST Elective</b> (3 hrs)				<b>FLAN 101</b> (3 hrs)
			<b>HIST Elective</b> (3 hrs)				<b>FLAN 102</b> (3 hrs)
			<b>Social Science<sup>3</sup></b> (3 hrs)				<b>Free Elective</b> (3 hrs)
			<sup>3</sup> Social Science Choices: Anthropology, Criminal Justice, Geography, Psychology, Political Science, or Sociology.				<b>Free Elective</b> (3 hrs)
			<b>SE 101 or Free Elective<sup>4</sup></b> (2 hrs)				<b>Free Elective</b> (3 hrs)
			<sup>4</sup> SE 101 is not required of transfer or re-admitted Southeastern students with 30 hours or more.				<b>Free Elective</b> (3 hrs)
			Kinesiology Laboratory (1 hr)				
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**MATHEMATICS (43 hrs)**

**TECHNICAL (15 hrs)**

**ELECTIVES (12 hrs)**