

**BS in Mathematics - Industrial Concentration**

College of Science &amp; 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)	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 SCIENCE (16 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 I (3 hrs)		
				PLAB 223: General Physics Lab (1 hr)				MATH 402 or 409 (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 480: Math Statistics II (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>4</sup> : (3 hrs)	
	OTHER (28 hrs)				COMM 211: Introduction to Public Speaking (3 hrs)				MATH 400-level elective <sup>4</sup> : (3 hrs)	COMP SCI (6 hrs)
				ECON 102 or 201 or 202 (3 hrs)	<sup>4</sup> MATH 467, 485, and 486 may not be used to satisfy this requirement.					
				ART, DNCE, MUS, or THEA (3 hrs)	<b>Minimum Grade of D Required:</b>					
				HIST Elective (3 hrs)				CMPS 161: Algorithm Design & Implementation I (3 hrs)		
				HIST Elective (3 hrs)				CMPS 280: Algorithm Design & Implementation II (3 hrs)		
				Social Science <sup>2</sup> (3 hrs)				ET 390: Engineering Economics (3 hrs)		
				<sup>2</sup> Social Science Choices: Anthropology, Criminal Justice, Geography, Psychology, Political Science, or Sociology.					Concentration Elective <sup>5</sup> (3 hrs)	CONCENTRATION ELECTIVES (18 hrs)
				FLAN 101 (3 hrs)				Concentration Elective <sup>5</sup> (3 hrs)		
				FLAN 102 (3 hrs)				Concentration Elective <sup>5</sup> (3 hrs)		
				SE 101 or Free Elective <sup>3</sup> (2 hrs)				Concentration Elective <sup>5</sup> (3 hrs)		
			<sup>3</sup> SE 101 is not required of transfer or re-admitted Southeastern students with 30 hours or more.					Concentration Elective <sup>5</sup> (3 hrs)		
				Kinesiology Laboratory (1 hr)	<sup>5</sup> Choose from ET 361, 371, 375, 410, 425, 433, 435, 436					
				Kinesiology Laboratory (1 hr)						

LAST UPDATED: 06/05/2019

**TOTAL MAJORS HOURS: 43 TOTAL SEMESTER HOURS: 120**

(NOTE: ½ of all major hours must be taken at Southeastern.)