

BS in Mathematics - Industrial 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 or 200H: Calculus I (5 hrs)		
				ENGL 102: Critical Reading & Writing (3 hrs)				MATH 201: Calculus II (5 hrs)		
				ENGL 229, 230, 231, 232, or 233: Literature (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)	MATHEMATICS (43 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 II¹ (3 hrs)				MATH 441: Intro Real Analysis (3 hrs)		
				Science Course Lab II¹ (1 hr)				MATH 480: Math Statistics II (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 elective⁴: (3 hrs)		
OTHER (28 hrs)				COMM 211: Introduction to Public Speaking (3 hrs)				MATH 400-level elective⁴: (3 hrs)	COMP SCI (6 hrs)	
				ECON 102 or 201 or 202 (3 hrs)	⁵ MATH 447 and 486 may not be used to satisfy this requirement.					
				ART, DNCE, MUS, or THEA (3 hrs)	Minimum Grade of D Required:					
				HIST Elective (3 hrs)				CMPS 152 or 161 (3 hrs)		
				Social Science² (3 hrs)				SC 200 or CMPS 280 (3 hrs)		
OTHER (28 hrs)				² Social Science Choices: Anthropology, Criminal Justice, Geography, Psychology, Political Science, or Sociology.					ET 390: Engineering Economics (3 hrs)	CONCENTRATION ELECTIVES (18 hrs)
				Foreign Language 101 (3 hrs)				Concentration Elective⁵ (3 hrs)		
				Foreign Language 102 (3 hrs)				Concentration Elective⁵ (3 hrs)		
				Kinesiology Laboratory (1 hr)				Concentration Elective⁵ (3 hrs)		
				Kinesiology Laboratory (1 hr)				Concentration Elective⁵ (3 hrs)		
				Free Elective (3 hrs)				Concentration Elective⁵ (3 hrs)		
			SE 101 or Free Elective³ (2 hrs)	⁵ Choose from ET 361, 371, 375, 410, 425, 433, 435, 436						
			³ SE 101 is not required of transfer or re-admitted Southeastern students with 30 hours or more.							

LAST UPDATED: 07/11/2023

TOTAL MAJORS HOURS: 43 TOTAL SEMESTER HOURS: 120

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