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**PROGRESS TOWARD COMPLETION OF MAJOR
 B.S. with concentration in Applied Mathematics ('06-'08 catalog)**

This B.S. concentration prepares students for employment in industry and graduate schools in scientific fields.

Required Courses

Core:	Met	Do
Math 161 – Differential and Integral Calculus I (3 units in GE)	4	_____
Math 211 – Differential and Integral Calculus II	4	_____
Math 220 – Higher Mathematics: An Introduction	3	_____
Math 261 – Multivariable Calculus	4	_____
Math 340 – Real Analysis I	4	_____
 Concentration:		
Math 241 – Differential Equations with Linear Algebra.....	4	_____
Math 316 – Graph Theory and Combinatorics (3 units) or		
Math 416 – Graph Theory and Combinatorics	3	_____
Math 322 – Linear Algebra	3	_____
Math 331 – Differential Equations II.....	3	_____
Math 345 – Probability Theory.....	3	_____
Math 352 – Numerical Analysis.....	3	_____
Math 360 – Complex Variables (3 units) or		
Math 431 – Partial Differential Equations.....	3	_____
Math 441 – Operations Research.....	3	_____
Math 470 – Mathematical Modeling.....	3	_____
 Supporting Courses:		
Math 180 – Computing for Math/Science.....	2	_____
Phys 114 – Intro to Physics (3 units in GE).....	4	_____
 Total units in applied mathematics program.....	 53	

NOTE: Even though it is possible to complete this major with only 28 upper division units, **ALL** students are required to complete a **minimum of 40 upper division units**, including GE, the major, and electives, for graduation.