

Name \_\_\_\_\_

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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**

<b>Core:</b>	<b>Met</b>	<b>Do</b>
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	____
 <b>Concentration:</b>		
Math 241 – Differential Equations with Linear Algebra.....	4	____
Math 316 – Graph Theory and Combinatorics (3 units) <b>or</b>		
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) <b>or</b>		
Math 431 – Partial Differential Equations.....	3	____
Math 441 – Operations Research.....	3	____
Math 470 – Mathematical Modeling.....	3	____
 <b>Supporting Courses:</b>		
Math 180 – Computing for Math/Science.....	2	____
Phys 114 – Intro to Physics (3 units in GE).....	4	____
 <b>Total units in applied mathematics program.....</b>	 <b>53</b>	

**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.