

# EDINBORO UNIVERSITY OF PENNSYLVANIA

## Minor: Applied Mathematics (1023)

Student: \_\_\_\_\_ ID: @ \_\_\_\_\_ Term: \_\_\_\_\_

The minor in Applied Mathematics program allows the student to obtain the skills necessary to successfully apply mathematics to problem solving, while concurrently allowing the students to concentration their studies in another major of interest. Many students will be able to pursue this minor, since nearly all of the semester hours required meet general education requirements. This minor provides an opportunity for students to gain an understanding of important mathematical aspects of basic scientific principles. Furthermore, the program helps develop the capacity to analyze a variety of life situations by modeling many of the associated problems using appropriate mathematical tools. As students in this program develop their problem-solving competence, they move beyond simply being able to use logical models proposed by other, to being capable of creating their own techniques for problem solving. Completion of this program will give the student the necessary tools to pursue many technical fields.

<b>Applied Mathematics Minor Requirements</b>	<b>(18 SH)</b>
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	<b>SH</b>	<b>Grade</b>
<i>A. Required Courses:</i>	<u>12</u>	
<u>MATH 208 – Essentials of Calculus</u>	<u>3</u>	_____
<u>MATH 270 – Discrete Mathematics I</u>	<u>3</u>	_____
<u>MATH 275 – Linear Algebra I</u>	<u>3</u>	_____
<u>STAT 300 – Applied Stat. Methods</u>	<u>3</u>	_____

<i>B. Electives:</i>	<u>6</u>	
<b>Option 1: Choose two courses from the following:</b>		
<u>MATH 209 – Mathematics of Finance</u>	<u>(3)</u>	_____
<u>STAT 360 – Statistical Inference</u>	<u>(3)</u>	_____
<u>MATH 370 – Discrete Mathematics II</u>	<u>(3)</u>	_____

**OR**

<b>Option 2: Choose one course from Option 1 &amp; one course from the following:</b>		
<u>CSCI 354 – Automata</u>	<u>(3)</u>	_____
<u>CSCI 385 – Data Struct. &amp; Ana. of Alg.</u>	<u>(3)</u>	_____
<u>ECON 410 – Economic Forecasting</u>	<u>(3)</u>	_____
<u>ECON 420 – Econometrics</u>	<u>(3)</u>	_____