



# East Stroudsburg University of Pennsylvania Department of Mathematics

## Minors and Concentrations Offered

### Minor in Mathematics

<b>Requirements.....</b>	<b>21 Credits</b>
___ MATH 140 Calculus I	(4)
___ MATH 141 Calculus II	(4)
___ MATH 220 Discrete Math Structures	(3)
___ MATH 240 Multivariate Calculus	(4)
___ MATH 320 Linear Algebra	(3)
___ One MATH Elective 300 or Higher	(3)

---

### Minor in Applied Statistics

<b>Requirements.....</b>	<b>18 Credits</b>
___ MATH 110 General Statistics	(3)
___ MATH 402 Applied Statistics	(3)
___ MATH 405 Introduction to Data Analysis	(3)
___ MATH 416 Linear Statistical Modeling	(3)
___ CPSC 130 Intro to Comp Programming I	(3)
<b>CHOOSE ONE OF THE FOLLOWING</b>	
___ MATH 487 Internship in Statistics	(3)
___ ECON 332 Forecasting Methods	(3)

---

### Minor in Mathematical Statistics

<b>Requirements.....</b>	<b>18 Credits</b>
___ MATH 311 Statistics I	(3)
___ MATH 405 Introduction to Data Analysis	(3)
___ MATH 411 Statistics II	(3)
___ CPSC 130 Intro to Comp Programming I	(3)
<b>CHOOSE TWO OF THE FOLLOWING</b>	
___ MATH 402 Applied Statistics	(3)
___ MATH 416 Linear Statistical Modeling	(3)
___ MATH 487 Internship in Statistics	(3)

---

# Concentration in Actuarial Science

**Requirements.....21 Credits**

- \_\_\_\_ MATH 140 Calculus I (4)
- \_\_\_\_ MATH 141 Calculus II (4)
- \_\_\_\_ MATH 240 Multivariate Calculus (4)
- \_\_\_\_ MATH 311 Statistics I (3)
- \_\_\_\_ MATH 320 Linear Algebra (3)
- \_\_\_\_ MATH 411 Statistics II (3)

**Suggested Courses.....9 Credits**

- \_\_\_\_ MATH 280 Mathematics of Finance (3)
  - \_\_\_\_ ECON 111 Principles of Macroeconomics (3)
  - \_\_\_\_ ECON 112 Principles of Microeconomics (3)
-