

# MATHEMATICS MAJOR

## SECONDARY EDUCATION MINOR (MAT)

**GENERAL EDUCATION (12 Courses Required):** Twelve courses are designated as General Education courses, which must be taken in a department other than the major department. Only courses designated (Gen.Ed.) after the course title will meet General Education requirements (refer to the Catalog for complete information).

<u>COURSE #</u>	<u>TITLE</u>	<u>GOAL(S) MET</u>
<u>42.200</u>	<u>Psychology of Development</u>	<u>9</u>
<u>14.200</u>	<u>Ed. In Am. Soc. with Field St. I</u>	<u>16</u>
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**General Education Goals (Check off as Completed):**

- |                                     |   |
|-------------------------------------|---|
| 1. _____ Writing/Reasoning          | 10. _____ Forces in the U.S.                |
| 2. <u>X</u> Quantitative            | 11. _____ Study of Constitutions            |
| 3. _____ Language                   | 12. _____ Gender, Class, Race               |
| 4. _____ Literature/Philosophy      | 13. _____ Non-Western Studies               |
| 5. _____ Visual/Performing Arts     | 14. _____ Cont.. Issues & Trends (optional) |
| 6. _____ Physical Science           | 15. _____ Integrative Studies (optional)    |
| 7. _____ Life Science               | 16. _____ Professional Studies (optional)   |
| 8. _____ Historical Studies         | _____ Laboratory                            |
| 9. _____ Social/Behavioral Sciences |   |

**X = Fulfilled through major**

**MAJOR AND RELATED COURSES (14):**

<u>COURSE #</u>	<u>COURSE TITLE</u>
<u>43.215</u>	<u>Finite Mathematics</u>
<u>43.219</u>	<u>Calculus I</u>
<u>43.220</u>	<u>Calculus II</u>
<u>43.221</u>	<u>Calculus III</u>
<u>43.222</u>	<u>Differential Equations</u>
<u>43.226</u>	<u>Linear Algebra and Applications</u>
<u>43.310</u>	<u>Number Theory</u>
<u>43.317</u>	<u>Introduction to Higher Geometry</u>
<u>43.319</u>	<u>Modern Algebra</u>
<u>43.427</u>	<u>Real Analysis</u>
<u>63.</u>	<u>One Computer Science course</u>
<u>43.</u>	<u>One course in Probability and Statistics</u>

**Two electives in Mathematics, one numbered at the 200 level or above, and one numbered at the 300 level or above:**

<u>43.</u>	_____
<u>43.</u>	_____

**ADDITIONAL SECONDARY ED. MINOR COURSES (6):**

<u>14.315/316</u>	<u>Professional Preparation and Field Study II</u>
_____	<u>(Two Course Credits)</u>
<u>14.410/414</u>	<u>Student Teaching Practicum and Seminar I</u>
_____	<u>(Two Course Credits)</u>
<u>14.411/415</u>	<u>Student Teaching Practicum and Seminar II</u>
_____	<u>(Two Course Credits)</u>