## TEACHER EDUCATION MINOR IN MATHEMATICS, GRADES 6-8

For students in teacher education curricula other than mathematics who wish to be qualified to teach mathematics at the middle school level.

E-mail: mathadvising@illinois.edu

Web address for department: www.math.illinois.edu (http://www.math.illinois.edu)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CI 410</td>
<td>Middle School Instruction, Philosophy and Structures</td>
<td>2</td>
</tr>
<tr>
<td>CI 430</td>
<td>Teaching Children Mathematics</td>
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<tr>
<td>CI 432 &amp; CI 430 &amp; CI 432</td>
<td>Teaching Children Mathematics &amp; Invest Approach Elem Math Inst</td>
<td>3-6</td>
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<tr>
<td>CI 431</td>
<td>Tchg Elementary Mathematics</td>
<td></td>
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<tr>
<td>CI 434</td>
<td>Teaching Secondary Math</td>
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<tr>
<td>EPS 427</td>
<td>Philosophy of Middle School</td>
<td>2</td>
</tr>
<tr>
<td>EPSY 430</td>
<td>Early Adolescent Development</td>
<td>3</td>
</tr>
<tr>
<td>MATH 117</td>
<td>Elementary Mathematics</td>
<td>4</td>
</tr>
</tbody>
</table>

Four courses from at least three of the following areas: 12-14

### Calculus
- MATH 220 Calculus
- or MATH 222 Calculus I
- or MATH 234 Calculus for Business I
- MATH 231 Calculus II

### Topics in Geometry
- MATH 119 Ideas in Geometry
- MATH 402 Non Euclidean Geometry
- MATH 403 Euclidean Geometry

### Computer Science (one course only)
- CS 101 Intro Computing: Engrg & Sci
- or CS 105 Intro Computing: Non-Tech

### Probability-Statistics
- STAT 100 Statistics
- or
- STAT 400/ MATH 463 Statistics and Probability I

### History of Mathematics
- MATH 406 History of Calculus

### Modern Algebra or Number Theory
- MATH 413 Intro to Combinatorics
- MATH 417 Intro to Abstract Algebra
- MATH 453 Elementary Theory of Numbers