Launch yourself into a fulfilling career in an area that is in high demand! Begin the path to becoming a teacher of mathematics, certified to teach grades 5 – 12 in Iowa. The following courses indicate what is needed to satisfy the requirements of a Bachelor’s of Science in Mathematics as well as those set by the University Teacher Education Program. For those not majoring in mathematics, please see the back page for helpful information. A suggested 4-year plan is included.

### International Perspectives

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 101 (1): Orientation in Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 165 (4): Calculus I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 166 (4): Calculus II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 167 (3): Intro to Proofs</td>
<td>3</td>
</tr>
<tr>
<td>MATH 265 (4): Calculus III</td>
<td>3</td>
</tr>
<tr>
<td>MATH 266 (4): Elem Diff Equations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 317 (4): Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 301 (3): Abstract Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 414 (3): Analysis I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 480C: Field Experience</td>
<td>3</td>
</tr>
<tr>
<td>CI 204: Social Foundations of American Education</td>
<td>3</td>
</tr>
<tr>
<td>CI 280L (0.5): Pre-Student Teaching Experience</td>
<td>3</td>
</tr>
</tbody>
</table>

**Notes:**
- CI 406 satisfies this requirement.
- Minimum Grade C-

### Mathematics

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYCH 230 (3): Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>CI/PSYCH 333 (3): Educational Psychology (prereq: PSYCH 230 &amp; Teacher Ed Program)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 397 (3): Teaching Secondary Mathematics using University Mathematics (prereq: Teacher Ed, 301)</td>
<td>3</td>
</tr>
<tr>
<td>MATH/CI 497 (3): Teaching Secondary School Math (Fall only, immediately before student teaching)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Notes:**
- PSYCH 230 satisfies this requirement.
- CI 395 (3): Middle and Secondary School Reading (prereq: CI 204, Junior standing)
- CI 426 (3): Principles of Secondary Education (prereq: Teach Ed Prgm; Prior to Math 497)
- SP ED 401 (3): Teaching Secondary Students with Exceptionalities in General Education Classrooms. (Coreq with Math/CI 497 & CI 480C)
- CI 417C (14): Student Teaching

### Education

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 201 (4): Intro to Statistical Concepts &amp; Methods</td>
<td>4</td>
</tr>
<tr>
<td>COM S 107, 207, or 227 (3): Programming</td>
<td>3</td>
</tr>
<tr>
<td>CI 280L (0.5): Pre-Student Teaching Experience</td>
<td>3</td>
</tr>
<tr>
<td>CI 219 (Take as soon as possible) (1): Orientation to Teacher Education</td>
<td>3</td>
</tr>
<tr>
<td>CI 406 (3): Multicultural Foundations of School and Society (prereq: 202, 333; Teach Ed Prgm; Prior to Math 497)</td>
<td>3</td>
</tr>
<tr>
<td>CI 426 (3): Principles of Secondary Education (prereq: Teach Ed Prgm; Prior to Math 497)</td>
<td>3</td>
</tr>
<tr>
<td>SP ED 401 (3): Teaching Secondary Students with Exceptionalities in General Education Classrooms. (Coreq with Math/CI 497 &amp; CI 480C)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Notes:**
- At least one course must emphasize US History or US Government. See www.education.iastate.edu/te/programs/curriculum-requirements/general-education/
- Minimum Grade C-
## Suggested Schedule

### Fall

**1st Year**
- Engl 150
- Math 165
- Psych 230
- Lib 160
- Math 101
- Humanities choice
- Social Sciences choice

**2nd Year**
- Engl 250
- Math 265
- Math 201
- CI 202
- Natural Science Choice
- Take Praxis-CORE by Oct 1

**3rd Year**
- Math 301
- Math 341
- Math 435
- CI 406
- Engl 302 or 305 or 314 or JL MC 201
- Humanities choice

**4th Year**
- Math 414
- Math 497
- CI 480C
- SP ED 401
- Natural Sciences choice

### Spring

- Math 166
- Stat 201
- CI 204
- Math 219
- CI 280L
- Int'l Perspectives choice
- Humanities choice

- Math 266 or 267
- Math 317
- Psych/CI 333
- Com S 107 or 207 or 227
- Humanities choice

- Math 436
- Math 397
- Math 342*
- CI 428A
- CI 426
- CI 395

### DECISION POINTS

**DECISION POINT #1**
- Take Praxis-CORE by Oct 1

**DECISION POINT #2**
- * highly recommended

**DECISION POINT #3**
- CI 417C

If you are interested in additional coursework to prepare you to teach mathematics, you are strongly encouraged to take at least one of CI 508, 509 or 513.

### To be admitted to the University Teacher Education Program (UTEP), you must:

- Maintain a minimum 2.50 cumulative GPA
- Complete a minimum of 9 credits at Iowa State University
- Successfully complete the Praxis CORE exam; see: www.education.iastate.edu/te/admission/praxis/
- Complete CI 280L (0.5 credit)
- Maintain minimum grade requirements for pedagogy coursework (C) and math content coursework (C-)
- Pass an Iowa criminal background check
- Ensure E-portfolio contains a minimum of one graded artifact (that received a proficient rating)

Please see additional information about Admission to UTEP at www.education.iastate.edu/te/admission/

Application for admission to the Educator Preparation Program is completed online. See www.education.iastate.edu/te/admission/application/

Please allow up to 8 weeks for a response regarding your application.

**Note:** Admission to UTEP is required a minimum of 1 year before the start of the student teaching semester.

For more information about the licensure process, including the DECISION POINTS, see: www.math.iastate.edu/Undergrad/TeacherLicensure.html

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- arc@iastate.edu

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