<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>435</td>
<td>Clinical II</td>
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<tr>
<td>406</td>
<td>Classroom Management</td>
<td>3</td>
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<td>367</td>
<td>Human Relations</td>
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<td>323</td>
<td>Content Area Practicum</td>
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<td>302</td>
<td>Curric &amp; Assess in Elem Schl</td>
<td>3</td>
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<tr>
<td>275</td>
<td>Introduction to P-12 Instruction</td>
<td>3</td>
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<tr>
<td>432</td>
<td>Dev of Math in El/Mid Sch</td>
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<td>Literacy Assessment</td>
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<td>Dev of Soc Studies in El/Mid Sch</td>
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<td>Intermediate Reading &amp; Language Arts</td>
<td>4</td>
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<tr>
<td>215</td>
<td>Math for Elem School Teachers II</td>
<td>3</td>
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</table>

### Mathematics: Undergraduate Knowledge Base

#### Outcome 1: Inquiry and Reflect
Teacher candidates inquire and reflect to facilitate learning and foster development of all learners.

1.1. Inquiry - Candidates are open and prepared to embrace the role of inquiry and reflection in their professional decisions throughout their careers.

**Field Experience:** Middle Level Education (6-8) [30 hours]

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
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<td>413</td>
<td>History &amp; Government</td>
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<td>414</td>
<td>Science &amp; Technology</td>
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<td>Art &amp; Music</td>
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<td>Physical Education</td>
<td>3</td>
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<td>418</td>
<td>Spanish</td>
<td>3</td>
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</table>

### Goal 2: Knowledge, skills, and dispositions
- Knowledge: Candidates demonstrate an integration of knowledge, discipline, inquiry, skills, and dispositions in the subject area of literacy.
- Skills: Students demonstrate the ability to plan and implement strategies for instruction, assessment, and evaluation.
- Dispositions: Candidates demonstrate the ability to enthusiastically engage in lifelong learning.

### Professionalism
Teacher candidates possess and demonstrate the values, demeanor, and effectiveness of a professional educator.

**Mathematics, K-12: 30 Hours**

- MTH 135: Precalculus
- MTH 150: Calculus I
- MTH 251: Calculus II
- MTH 252: Calculus III
- MTH 301: Linear Algebra
- MTH 310: Abstract Algebra
- MTH 320: Discrete Mathematics
- MTH 499: Seminar in Mathematics

**Field Experience:** Teacher Education (6-8) [30 hours]

- EDU 410: Introduction to Education
- EDU 420: Classroom Management
- EDU 430: Literacy Assessment
- EDU 440: Developments of Social Studies in El/Mid Sch
- EDU 450: Development of Math in El/Mid Sch
- EDU 460: Content Area Practicum
- EDU 470: Research Methods in Education
- EDU 480: Human Relations
- EDU 490: Content Area Practicum

**Certification:** Professional Educator [120 hours]

- EDU 411: Introduction to Education
- EDU 421: Classroom Management
- EDU 431: Literacy Assessment
- EDU 441: Developments of Social Studies in El/Mid Sch
- EDU 451: Development of Math in El/Mid Sch
- EDU 461: Content Area Practicum
- EDU 471: Research Methods in Education
- EDU 481: Human Relations
- EDU 491: Content Area Practicum

**Certification:** Professional Educator [120 hours]

- EDU 412: Introduction to Education
- EDU 422: Classroom Management
- EDU 432: Literacy Assessment
- EDU 442: Developments of Social Studies in El/Mid Sch
- EDU 452: Development of Math in El/Mid Sch
- EDU 462: Content Area Practicum
- EDU 472: Research Methods in Education
- EDU 482: Human Relations
- EDU 492: Content Area Practicum

**Certification:** Professional Educator [120 hours]

- EDU 413: Introduction to Education
- EDU 423: Classroom Management
- EDU 433: Literacy Assessment
- EDU 443: Developments of Social Studies in El/Mid Sch
- EDU 453: Development of Math in El/Mid Sch
- EDU 463: Content Area Practicum
- EDU 473: Research Methods in Education
- EDU 483: Human Relations
- EDU 493: Content Area Practicum

**Certification:** Professional Educator [120 hours]

- EDU 414: Introduction to Education
- EDU 424: Classroom Management
- EDU 434: Literacy Assessment
- EDU 444: Developments of Social Studies in El/Mid Sch
- EDU 454: Development of Math in El/Mid Sch
- EDU 464: Content Area Practicum
- EDU 474: Research Methods in Education
- EDU 484: Human Relations
- EDU 494: Content Area Practicum

**Certification:** Professional Educator [120 hours]

- EDU 415: Introduction to Education
- EDU 425: Classroom Management
- EDU 435: Literacy Assessment
- EDU 445: Developments of Social Studies in El/Mid Sch
- EDU 455: Development of Math in El/Mid Sch
- EDU 465: Content Area Practicum
- EDU 475: Research Methods in Education
- EDU 485: Human Relations
- EDU 495: Content Area Practicum

**Certification:** Professional Educator [120 hours]

- EDU 416: Introduction to Education
- EDU 426: Classroom Management
- EDU 436: Literacy Assessment
- EDU 446: Developments of Social Studies in El/Mid Sch
- EDU 456: Development of Math in El/Mid Sch
- EDU 466: Content Area Practicum
- EDU 476: Research Methods in Education
- EDU 486: Human Relations
- EDU 496: Content Area Practicum

**Certification:** Professional Educator [120 hours]

- EDU 417: Introduction to Education
- EDU 427: Classroom Management
- EDU 437: Literacy Assessment
- EDU 447: Developments of Social Studies in El/Mid Sch
- EDU 457: Development of Math in El/Mid Sch
- EDU 467: Content Area Practicum
- EDU 477: Research Methods in Education
- EDU 487: Human Relations
- EDU 497: Content Area Practicum

**Certification:** Professional Educator [120 hours]

- EDU 418: Introduction to Education
- EDU 428: Classroom Management
- EDU 438: Literacy Assessment
- EDU 448: Developments of Social Studies in El/Mid Sch
- EDU 458: Development of Math in El/Mid Sch
- EDU 468: Content Area Practicum
- EDU 478: Research Methods in Education
- EDU 488: Human Relations
- EDU 498: Content Area Practicum

**Certification:** Professional Educator [120 hours]

- EDU 419: Introduction to Education
- EDU 429: Classroom Management
- EDU 439: Literacy Assessment
- EDU 449: Developments of Social Studies in El/Mid Sch
- EDU 459: Development of Math in El/Mid Sch
- EDU 469: Content Area Practicum
- EDU 479: Research Methods in Education
- EDU 489: Human Relations
- EDU 499: Content Area Practicum