## EDUCATION - BS, MATH/SCIENCE, MIDDLE GRADES CERTIFICATION

### Program Requirements

#### First Year

**Fall**
- ENGL 103 or ENGL 104: Introduction to Rhetoric and Composition or Composition and Rhetoric 3
- HIST 105 or HIST 106: History of the United States or History of the United States 3
- MATH 140 or MATH 168: Mathematics for Business and Social Sciences or Finite Mathematics 3
- TEFB 273: Introduction to Culture, Community, Society and Schools 3
- Life and physical sciences 4

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<tr>
<th>Semester Credit Hours</th>
<th>16</th>
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**Spring**
- HIST 226: History of Texas 3
- MATH 142: Business Calculus 3
- Communication (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication) 3
- Creative arts (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts) 3
- Life and physical sciences (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences) 4

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**Summer**
- POLS 207: State and Local Government 3
- Language, philosophy and culture (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture) 3

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<th>Semester Credit Hours</th>
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#### Second Year

**Fall**
- INST 210: Understanding Special Populations 3
- INST 222: Foundations of Education in a Multicultural Society 3
- MASC 351: Problem Solving in Mathematics 3
- MATH 365: Structure of Mathematics I 3
- Life and physical sciences (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences) 4

| Semester Credit Hours | 16 |

**Spring**
- MASC 420: Inquiries in Life and Earth Sciences 3
- MATH 366: Structure of Mathematics II 3
- RDNG 468: Essential Foundations of Language and Literacy for All Learners 3
- STAT 303 or EPSY 435: Statistical Methods or Educational Statistics 3
- Life and physical sciences (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences) 4

| Semester Credit Hours | 16 |

**Summer**
- MASC 450: Integrated Mathematics 3
- MATH 367: Basic Concepts of Geometry 3
- Life and physical sciences (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences) 4

| Semester Credit Hours | 6 |

#### Third Year

**Fall**
- EDCI 353: Early Childhood through Adolescent Education 3
- EDCI 365: Using Technology Classrooms 3
- INST 362: English as a Second Language Methods I 3
- INST 362: English as a Second Language Methods II 3
- MASC 320: Inquiries in Physical Science 3
- RDNG 372 or RDNG 371: Reading and Writing across the Middle Grades Curriculum or Multicultural and Interdisciplinary Literature for Middle Grades 3
- TEFB 371: Dynamics and Management in Multicultural/Inclusionary Learning Environments 3

| Semester Credit Hours | 15 |

**Spring**
- EDCI 354: Early Childhood and Adolescent Curriculum and Lesson Design 3
- INST 363: English as a Second Language Methods II 3
- MASC 320: Inquiries in Physical Science 3
- RDNG 372: Reading and Writing across the Middle Grades Curriculum 3
- MEFB 452: Curriculum and Instruction for Middle Grades 3
- MEFB 460: Math Methods in Middle Grades 3
- MEFB 470: Science Methods in Middle Grades 3
- RDNG 490: Assessment in Reading Instruction in Middle Grades 3

<p>| Semester Credit Hours | 12 |</p>
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<thead>
<tr>
<th>Spring</th>
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<tbody>
<tr>
<td>MEFB 497 or TEED 425</td>
<td>6</td>
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<tr>
<td>Supervised Clinical Teaching or Supervised Clinical Teaching</td>
<td>6</td>
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<td>Total Semester Credit Hours</td>
<td>126</td>
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1 KINE 120 is recommended.

Must make a grade of C or better in each course.