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

The Department of Teaching, Learning and Culture (TLAC) offers a Bachelor of Science (BS) in Education. Completion of this program leads to teaching certification in math and science for grades 4-8 and English as a second language within the constraints of the Texas Education Agency. Students interested in becoming a 4-8 grade math and science teacher should contact a TLAC undergraduate advisor in Harrington Tower.

Programs in the Department of Teaching, Learning and Culture are based upon new State of Texas standards. You must consult with an advisor in the Department of Teaching, Learning and Culture (Heaton Hall) prior to enrolling in coursework each semester or term.

**Program Requirements**

### First Year

**Fall**
- **ENGL 103** or **ENGL 104**
  - Introduction to Rhetoric and Composition or Composition and Rhetoric
  - Credit Hours: 3
- **HIST 105** or **HIST 106**
  - History of the United States or History of the United States
  - Credit Hours: 3
- **MATH 140** or **MATH 168**
  - Mathematics for Business and Social Sciences or Finite Mathematics
  - Credit Hours: 3
- **TEFB 273**
  - Introduction to Culture, Community, Society and Schools
  - Credit Hours: 3
- Life and physical sciences (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences)
  - Credit Hours: 4

**Semester Credit Hours**: 16

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

**Semester Credit Hours**: 16

### Second Year

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

**Semester Credit Hours**: 16

**Spring**
- **MASC 420**
  - Inquiries in Life and Earth Sciences
  - Credit Hours: 3
- **MATH 366**
  - Structure of Mathematics II
  - Credit Hours: 3
- **RDNG 460**
  - Language and Reading
  - Credit Hours: 3
- **STAT 303** or **EPSY 435**
  - Statistical Methods or Educational Statistics
  - Credit Hours: 3
- Life and physical sciences (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences)
  - Credit Hours: 4

**Semester Credit Hours**: 16

### Third Year

**Fall**
- **EDCI 353**
  - Early Childhood through Adolescent Education
  - Credit Hours: 3
- **EDCI 365**
  - Using Technology Classrooms
  - Credit Hours: 3
- **INST 362**
  - English as a Second Language Methods I
  - Credit Hours: 3
- **MASC 450**
  - Integrated Mathematics
  - Credit Hours: 3
- **MATH 367**
  - Basic Concepts of Geometry
  - Credit Hours: 3
- Life and physical sciences (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences)
  - Credit Hours: 1

**Semester Credit Hours**: 6

**Spring**
- **EDCI 354**
  - Early Childhood and Adolescent Curriculum and Lesson Design
  - Credit Hours: 3
- **INST 363**
  - English as a Second Language Methods II
  - Credit Hours: 3
- **MASC 320**
  - Inquiries in Physical Science
  - Credit Hours: 3
- **RDNG 372**
  - Reading and Writing across the Middle Grades Curriculum
  - Credit Hours: 3
- **TEFB 371**
  - Dynamics and Management in Multicultural/Inclusionary Learning Environments
  - Credit Hours: 3

**Semester Credit Hours**: 16

### Fourth Year

**Fall**
- **MEFB 452**
  - Curriculum and Instruction for Middle Grades
  - Credit Hours: 3

**Semester Credit Hours**: 15

(1) Check with advisor for specific courses in this category.
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<th>Credits</th>
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<td>Math Methods in Middle Grades</td>
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<td>MEBF 470</td>
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<td>RDNG 490</td>
<td>Assessment in Reading Instruction in Middle Grades</td>
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**Semester Credit Hours** 12

**Spring**

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<td>MEFB 497</td>
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<td>or TEED 425</td>
<td>Supervised Clinical Teaching</td>
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**Semester Credit Hours** 6

**Total Semester Credit Hours** 126

1. KINE 120 is recommended.

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