

# 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. For complete information, see an academic advisor in the Education and Human Development Undergraduate Advising Office. Details and contact information can be found at <https://education.tamu.edu/undergraduate-advising/>.

Programs in the Department of Teaching, Learning and Culture are based upon State of Texas standards. Students should check with advisors for the most current program policies and procedures.

This program is approved to be offered at the Texas A&M Higher Education Center in McAllen, Texas.

## Program Requirements

### First Year

		Semester Credit Hours
<b>Fall</b>		
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
TEFB 273	Introduction to Culture, Community, Society and Schools	3
	Life and physical sciences ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences</a> )	4
	Mathematics ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#mathematics">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#mathematics</a> )	3
<b>Semester Credit Hours</b>		<b>16</b>
<b>Spring</b>		
HIST 226	History of Texas	3
	Communication ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication</a> )	3
	Creative arts ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts</a> )	3
	Life and physical sciences ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences</a> )	4
	Mathematics ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#mathematics">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#mathematics</a> )	3
<b>Semester Credit Hours</b>		<b>16</b>
<b>Summer</b>		
POLS 206	American National Government	3

	Life and physical sciences ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences</a> )	4
<b>Semester Credit Hours</b>		<b>7</b>
<b>Second Year</b>		
<b>Fall</b>		
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 <sup>1</sup>	3
	Life and physical sciences ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences</a> )	4
<b>Semester Credit Hours</b>		<b>16</b>
<b>Spring</b>		
MASC 420	Inquiries in Life and Earth Sciences	3
MATH 366	Structure of Mathematics II <sup>1</sup>	3
RDNG 460	Language and Reading	3
STAT 303 or EPSY 435	Statistical Methods or Educational Statistics	3
	Life and physical sciences ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences</a> )	4
<b>Semester Credit Hours</b>		<b>16</b>
<b>Summer</b>		
POLS 207	State and Local Government	3
	Language, philosophy and culture ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture</a> )	3
<b>Semester Credit Hours</b>		<b>6</b>
<b>Third Year</b>		
<b>Fall</b>		
EDCI 353	Early Childhood through Adolescent Education	3
EDCI 365	Using Technology Classrooms	3
INST 362	English as a Second Language Methods I	3
MASC 450	Integrated Mathematics	3
MATH 367	Structure of Mathematics III	3
	Life and physical sciences ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences</a> ) <sup>2</sup>	1
<b>Semester Credit Hours</b>		<b>16</b>
<b>Spring</b>		
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
TEFB 371	Dynamics and Management in Multicultural/Inclusionary Learning Environments	3
<b>Semester Credit Hours</b>		<b>15</b>

**Fourth Year****Fall**

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
<b>Semester Credit Hours</b>		<b>12</b>

**Spring**

MEFB 497 or TEED 425	Supervised Clinical Teaching or Supervised Clinical Teaching	6
<b>Semester Credit Hours</b>		<b>6</b>
<b>Total Semester Credit Hours</b>		<b>126</b>

<sup>1</sup> Must be taken at Texas A&M University.

<sup>2</sup> KINE 120 is recommended.

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

A minimum of 2.75 GPA on all coursework that applies to the degree plan and a minimum of 2.5 GPA on all coursework completed at Texas A&M is required for this degree.