

TEACHER EDUCATION AND CERTIFICATION

Early Childhood

In Missouri, early childhood teacher certification spans birth through third grade. The early childhood education program is endorsed by the Missouri Department of Elementary and Secondary Education (DESE).

Students will have the opportunity for field experiences at the S&T Child Development Center on campus. For a list of required courses, please see the early childhood section of the department website <https://education.mst.edu/> (<http://teachereducation.mst.edu/>).

Educational Studies

This emphasis is designed for students wanting to work in informal educational contexts outside of K-12 schools. The educational studies emphasis is more flexible so students may choose electives aligned with their career goals. This emphasis does not require student teaching and does not result in Missouri teacher certification.

Elementary Education

In Missouri, elementary teacher certification spans grades 1-6. The elementary education program is endorsed by the Missouri Department of Elementary and Secondary Education (DESE). Graduates of this program will have the knowledge of science, technology, engineering, art and mathematics (STEAM) to share with 1st through 6th grade students. Project Lead The Way: Launch classroom teacher certification is embedded in the emphasis. For a list of required courses, please see the elementary section of the department website <https://education.mst.edu/> (<http://teachereducation.mst.edu/>).

Middle School Education

In Missouri, middle school certification spans grades 5-9. You will earn a bachelor of science degree in education with an emphasis in one of the following areas:

English Language Arts

Mathematics

Science

Social Studies

You must take at least 24 credit hours in your content area as approved by DESE and the required education courses.

Secondary Education

At S&T, you will earn a degree in your content area while pursuing secondary teaching certification. See the degree requirements for those departments in the catalog for more information.

Missouri University of Science and Technology is approved by the Missouri Department of Elementary and Secondary Education to offer the following secondary teacher certificates:

Biology

Business

Chemistry

Earth Science

English

Mathematics

Physics

Social Science*

*History, and Psychology degrees are eligible for this certification, if coursework requirements are fulfilled.

General Education Requirements

General education requirements are intended to provide you with the intellectual knowledge and skills for basic education. This body of knowledge and skills is arranged according to two broad categories: systems of symbolic thought and communication represented by linguistic and mathematical studies, and systems of intellectual inquiry represented by basic academic disciplines. In addition, you must complete one course in cultural diversity, and the general education requirements may be fulfilled at the same time.

The following are generic requirements for all education students. However, any degree requirement not included in these general education requirements must be included in the professional requirements or subject matter requirements for each degree program.

I. Symbolic Thought & Communications

1. **Linguistic studies** (nine semester hours): You are required to take two courses in written communication and one course in oral communication. You must have a grade of "C" or above in each course.
2. **Mathematical** (three semester hours). The course must be college algebra or above with a "C" or above in each course.

II. Systems of Intellectual Inquiry

1. **Humanities**: At least one course each from two of the following areas required: art, music, philosophy, literature, and theater.
2. **Natural science**: One course in biological sciences and one in physical science is required. One of these two courses must include a laboratory.
3. **Social and behavioral science**: One course in each of the following areas is required:
 - A. American history
 - B. American government
 - C. General psychology

Secondary Education

In addition to the prescribed general education courses, if you are preparing to become a secondary school teacher you must complete the following secondary professional education courses:

EDUC 1040	Perspectives In Education	2
EDUC 1104	Teacher Field Experience I	1
EDUC 1164	Teacher Field Experience II	2
EDUC 1174	School Organization and Administration For Teachers	2
EDUC 2102/ PSYCH 2300	Educational Psychology	3

EDUC 2310	Education Of The Exceptional Child	3
EDUC 3216	Instructional Literacy in the Content Area	3
EDUC 3280	Instructional Strategies in the Content Area	3
EDUC 3298	Teacher Field Experience III	1
EDUC 3340	Assessment of Student Learning	3
EDUC 4298	Student Teaching Seminar	1
EDUC 4299	Student Teaching	12
ENGLISH 3170	Teaching And Supervising Reading and Writing	3
PSYCH 3310	Developmental Psychology	3

The required courses of at least one teaching major.

You may major in English with English certification (9-12); history or psychology with social studies certification (9-12); mathematics with mathematics certification (9-12); biological sciences with biology certification (9-12); chemistry with chemistry certification (9-12); physics with physics certification (9-12); environmental sciences with earth science certification (9-12); or business and management systems with business education certification (9-12).

You must meet Missouri S&T degree requirements and, in addition, course requirements for certification. The necessary course requirement arrangements will be coordinated through the education office. The complete list of requirements is available at <https://education.mst.edu/> (<http://teachereducation.mst.edu/>).