

Elementary Education (Science, Technology, Engineering and Mathematics), BAE

TEESTEMBAE

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

Prepare to educate learners in grades K-8. Coursework paired with internships and residencies will allow you to obtain teacher certification after graduation and start a career in a high-demand specialty in education.

Program description

The BAE program in elementary education with a concentration in science, technology, engineering and mathematics, collectively referred to as STEM, prepares students for certification in grades K-8 in the state of Arizona. This program includes coursework designed for students looking to advance their skills in STEM disciplines and wishing to learn techniques to effectively engage learners.


The program equips prospective educators with the specialized STEM knowledge they need to solve challenging problems and apply critical thinking skills. The elementary education STEM program offers students a firm grounding in the language, current research and best practices in STEM education.

Extensive professional experiences are built into this program to prepare students to enter the teaching profession after graduation. Graduates will complete internships prior to a full-time teaching residency. Mary Lou Fulton Teachers College has developed a distinctive approach to teacher-preparation, which includes student participation in internships and residencies while receiving guidance and support from faculty members and highly qualified certified teachers. Professional experiences are designed to prepare graduates to work with mutually supportive colleagues to address the academic and social-emotional needs of learners.

Graduates earn an institutional recommendation from ASU for Arizona teacher certification in Elementary Education, K-8, and an endorsement in Structured English Immersion, preK-12, from the Arizona Department of Education. In order to teach in an Arizona public school, graduates must pass the

appropriate Arizona educator exams: National Evaluation Series or Arizona Educator Proficiency Assessments.

At a glance

- **College/School:** [Mary Lou Fulton Teachers College](#)
- **Location:** [Polytechnic](#)
- **Second language requirement:** No
- **First required math course:** MAT 142 - College Mathematics or MAT 117 College Algebra or MAT 170 Precalculus
- **Math intensity:** General 

Required courses (Major Map)

[2021 - 2022 Major Map](#)

[Major Map \(Archives\)](#)

Concurrent program options

Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

Admission requirements

General university admission requirements:

All students are required to meet general university admission requirements.

[First-year](#) | [Transfer](#) | [International](#) | [Readmission](#)

Tuition information

When it comes to paying for higher education, everyone's situation is different. Students can learn about [ASU tuition and financial aid](#) options to find out which will work best for them.

Change of Major Requirements

Students should visit the [Change of Major form](#) for information about how to change a major to this program.

Transfer options

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use [MyPath2ASU®](#) to outline a list of recommended courses to take prior to transfer.

ASU has [transfer partnerships](#) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

Global opportunities

Global experience

Future educators must learn to create inclusive and inspiring learning environments and they can do this by expanding their horizons. Through study abroad, they can explore how schooling works in countries that are leaders in education, and they can conduct comparative research. Students can make a difference in a community by volunteering at schools and engaging in local educational programs through service-learning opportunities. Students may explore over 300 program options on the [Global Education Office website](#).

Career opportunities

Graduates of Mary Lou Fulton Teachers College are highly sought teachers in public, charter and private education institutions. Many graduates with degrees in elementary education also work at community organizations serving children and youth.

Professional licensure

ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the [ASU professional licensure](#) webpage.

Contact information

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