

Mathematics (Secondary Education), BS

LAMATSBS

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

Do you remember your first teacher who ignited your passion for math? After studying mathematics through the lens of an educator, you'll have the same opportunity to inspire others and open their eyes to the world of mathematics.

Program description

The BS program in mathematics with a concentration in secondary education provides an excellent pathway for students interested in teaching. This degree program offers a mastery of mathematics, an understanding of teaching best practices and the ability to handle the challenges of a high school classroom.

Students who wish to teach at the secondary level take courses that prepare them to earn certification in the state of Arizona through this program. Graduates emerge equipped to provide mathematics communication that is coherent, meaningful and challenging.

In addition to reviewing the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit [The College's website](#) for more information and requirements.

At a glance

- **College/School:** [The College of Liberal Arts and Sciences](#)
- **Location:** [Tempe](#)
- **Second language requirement:** No
- **First required math course:** MAT 270 - Calculus w/Analytic Geometry I

- **Math intensity:** Substantial 

Required courses (Major Map)

[2023 - 2024 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.

Program learning outcomes

Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Able to complete the process of synthesizing definitions and previous theoretical results to draw new conclusions and prove them.
- Able to apply the proper cognitive, curricular, and pedagogical theories appropriate to the design and evaluation of mathematics instruction and instructional materials.
- Able to analyze quantitative problems and draw conclusions by applying proper mathematical theories.

Global opportunities

Global experience

Students who wish to pursue a future in education must understand the diverse set of experiences, backgrounds and cultures that can shape the students in their classrooms. Students can enhance their mathematics degree with a [global education program](#), in which they can boost their communication skills and gain firsthand experience in a wide variety of cultures and communities.

Career opportunities

The mathematics degree with a secondary education concentration provides fantastic preparation for careers in teaching and education. In addition to the option of teaching high school mathematics, options for jobs in diverse fields include business, finance, industry and technology. Graduates can also choose to pursue graduate studies in mathematics or mathematics education.

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

[Schedule an advisor appointment](#)

[School of Mathematical and Statistical Sciences](#) | WXL 216

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