

Mathematics, BA

LAMATBA


Gain a strong foundation in mathematics and prepare for an exciting career as a global citizen.

Program description

Math is the science of problem-solving. Students in the BA degree program in mathematics apply the critical thinking and problem-solving skills they learn to many endeavors. Students complete courses that provide a strong mathematics background, and liberal arts requirements, including a foreign language.

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:** Yes
- **First required math course:** MAT 270 - Calculus w/Analytic Geometry I
- **Math intensity:** Substantial 

Required courses (Major Map)

[2024 - 2025 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

A current ASU student has no additional requirements for changing majors.

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 draw conclusions about quantitative problems by analyzing their structure and applying valid logical reasoning.
- Able to complete the process of synthesizing definitions and previous theoretical results to draw new conclusions and prove them.
- Apply concepts from advanced mathematics to real-world problems in STEM fields

Global opportunities

Global experience

Each of the more than 300 [Global Education program](#) options provides an opportunity for students to develop a valuable skill set that can give them an advantage in their career, as well as personal enrichment.

Whether in a foreign country, in the U.S. or online, students are encouraged to build communication skills, challenged to adapt and persevere, and exposed to differences across the world, and they enhance their ability to work with diverse groups of people. Graduates who possess heightened cultural competency and leadership and critical thinking skills acquired through study abroad may stand out in a competitive job market.

Career opportunities

The Bachelor of Arts program in mathematics is a fantastic option for students interested in where and how math fits on the broad spectrum of human endeavor.

A Bachelor of Arts degree in mathematics can be the springboard for many different careers in fields such as business management, computer engineering, education, financial analysis, health care, law, medical science, teaching and technology.

Example job titles and salaries listed below are not necessarily entry level, and students should take into consideration how years of experience and geographical location may affect pay scales. Some jobs also may require advanced degrees, certifications or state-specific licensure.

Career	*Growth	*Median salary
Clinical Trial Manager 	4.8%	\$144,440
Financial Analyst 	7.6%	\$95,080
Financial Quantitative Analyst 	6.1%	\$73,810
High School Teacher	1.0%	\$62,360
Mathematician	2.2%	\$112,110
Middle School Teacher	0.8%	\$61,810
Risk Manager 	8.2%	\$102,120
Statistician 	31.6%	\$98,920

* Data obtained from the Occupational Information Network (O*NET) under sponsorship of the U.S. Department of Labor/Employment and Training Administration (USDOL/ETA).

 [Bright Outlook](#)

Contact information

[Schedule an advisor appointment](#)

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