Mathematics (Secondary Education), BS

Do you remember what ignited your passion for math? You may remember your favorite teacher who inspired you to understand more about how the world works. 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.

By focusing on how people best learn mathematical concepts, students gain a unique understanding of how people understand the world around them. Students acquire strong content knowledge in diverse areas of math and the skills to convey these concepts to others. This degree program offers a deeper mastery of mathematics coupled with the ability to handle the challenges of a high school classroom.

Students who wish to teach at the secondary level take courses preparing them to earn certification in the state of Arizona through this program. By providing a carefully designed curriculum of courses and instructional experiences, this program helps students develop the deep understandings and connections needed for being a highly effective mathematics teacher.

Graduates emerge equipped to provide mathematics instruction that is coherent, meaningful and challenging.

In addition to 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.

https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees

At a Glance
• College/School: The College of Liberal Arts and Sciences
• Location: Tempe campus

• Additional Program Fee: Yes
• Second Language Requirement: No
• First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I
• Math Intensity: Substantial

Required Courses (Major Map)

2022 - 2023 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.
Freshman | Transfer | International | Readmission

Change of Major Requirements

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

Students should refer to https://changemajor.apps.asu.edu 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. Students may learn more about these programs by visiting the admission site: https://admission.asu.edu/transfer/MyPath2ASU.
Global Opportunities

Global Experience
Students wishing 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 study abroad program, in which they can boost their communication skills and gain firsthand experience in a wide range of cultures and communities. More information is available on the Global Education website, https://goglobal.asu.edu/

Career Opportunities

The mathematics degree with a secondary education concentration provides a fantastic preparation for careers in teaching and education. In addition to the option of teaching high school mathematics, additional options for jobs in diverse fields include:

- business
- finance
- industry
- technology

Graduates can also choose to pursue graduate studies in mathematics or mathematics education.

Career examples include but are not limited to those shown in the following list. Advanced degrees or certifications may be required for academic or clinical positions.

<table>
<thead>
<tr>
<th>Career</th>
<th>*Growth</th>
<th>*Median Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Analyst</td>
<td>6.4%</td>
<td>$50,360</td>
</tr>
<tr>
<td>Education Professor</td>
<td>4.8%</td>
<td>$65,440</td>
</tr>
<tr>
<td>High School Teacher</td>
<td>3.8%</td>
<td>$62,870</td>
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<tr>
<td>Mathematician</td>
<td>3.0%</td>
<td>$110,860</td>
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<tr>
<td>Mathematics Professor</td>
<td>1.3%</td>
<td>$73,650</td>
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<td>Middle School Teacher</td>
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<tr>
<td>Statistician</td>
<td>34.6%</td>
<td>$92,270</td>
</tr>
</tbody>
</table>

* 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  🌿 Green Occupation
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: https://admission.asu.edu/academics/licensure.

Contact Information

Schedule an advisor appointment
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