

# Applied Quantitative Science, BS

LSAQSBS

Use investigative expertise in tandem with traditional methods to explore today's challenges, and hone your critical thinking, communication, quantitative reasoning and statistical inference skills.


## Program description

Students in the BS program in applied quantitative science learn to integrate and apply STEM-supported skills that are increasingly in demand for future-focused careers. Students develop six habits of mind, which are mental practices that become more ingrained as they advance through the curriculum and continue into their professional careers.

Students learn to:

- apply and project quantitative reasoning to unfamiliar contexts
- communicate well within and without the expert domain
- critically and adaptably think about complex problems
- effectively search through and evaluate information
- experiment creatively and in an informed manner in search of new insights
- use sophisticated insight involving statistical inference and quantitative reasoning

## At a glance

- **College/School:** [College of Integrative Sciences and Arts](#)
- **Location:** [Polytechnic](#)
- **Second language requirement:** No
- **First required math course:** MAT 142 - College Mathematics Any math course that meets the MATH designation.
- **Math intensity:** General 

## 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.

## Global opportunities

### Global experience

With more than 300 programs available, [Global Education programs](#) allow students to tailor their experience to their unique interests and skill sets. Students in applied quantitative science are able to gain hands-on experience in a variety of countries around the world. Graduates who possess the heightened cultural competency and leadership and critical thinking skills they acquired through study abroad may stand out in a competitive field.

## Career opportunities

Employers are increasingly hiring people who know how to use quantitative information. Graduates of this degree program are equipped with the skills and knowledge sought by today's employers. People who work in any business or industry need to use quantitative skills to solve problems.

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
<a href="#"><u>Business Intelligence Analyst</u></a> ☀	35.2%	\$103,500
<a href="#"><u>Document Management Specialist</u></a> ☀	9.7%	\$98,740
<a href="#"><u>Field Researcher</u></a>		\$60,410
<a href="#"><u>Human Behavior Researcher</u></a> ☀	4.8%	\$50,470
<a href="#"><u>Mathematical Science Assistant</u></a> ☀	6.2%	\$71,700
<a href="#"><u>Quality Control Technician</u></a>	3.8%	\$50,290
<a href="#"><u>Supply Chain Manager</u></a> ☀	8.2%	\$98,560

\* 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

[School of Applied Sciences and Arts](#) | SANCA 233  
[CISA@asu.edu](mailto:CISA@asu.edu) | 480-727-1526