Applied Quantitative Science, BS

You'll explore real-world challenges using investigative skills that complement traditional methods. Hone your critical thinking, communication, quantitative reasoning and your ability to make statistical inferences.

Program Description

Students learn to integrate and apply STEM-supported skills that are increasingly in demand in the 21st century.

Students of the BS program in applied quantitative science acquire six habits of mind, a mental practice that becomes increasingly automatic with progress through the curriculum and after, extending into career development.

Graduates are able 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

- **Additional Program Fee**: Yes
- **Second Language Requirement**: No
• **First Required Math Course:** Any math course that meets the MA designation.
• **Math Intensity:** General

**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.

First-year | 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](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](https://admission.asu.edu/transfer/MyPath2ASU).

**Global Opportunities**

**Global Experience**
With over 250 programs available, study abroad allows 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, leadership and critical thinking skills acquired through study abroad may stand out in a competitive field. More information on available programs can be found on the Global Education website.  
https://goglobal.asu.edu/

**Career Opportunities**

Increasingly, employers are 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.

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>Business Intelligence Analyst 🌟</td>
<td>not available</td>
<td></td>
</tr>
<tr>
<td>Document Management Specialist 🌟</td>
<td>5.7%</td>
<td>$92,870</td>
</tr>
<tr>
<td>Field Researcher</td>
<td></td>
<td>$59,870</td>
</tr>
<tr>
<td>Human Behavior Researcher 🌟</td>
<td>5.8%</td>
<td>$49,210</td>
</tr>
<tr>
<td>Mathematical Science Assistant 🌟</td>
<td>not available</td>
<td></td>
</tr>
<tr>
<td>Quality Control Technician 🌟</td>
<td>4.7%</td>
<td>$52,460</td>
</tr>
<tr>
<td>Supply Chain Manager</td>
<td>3.5%</td>
<td>$96,390</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

**Contact Information**

[College of Integrative Sciences and Arts](https://cisa.asu.edu) | SANCA 233  
[CISA@asu.edu](mailto:CISA@asu.edu) | 480-727-1526