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

This program is offered as a stand-alone degree on the Polytechnic campus. Students pursuing degrees on all four metropolitan campuses can add this degree as a concurrent degree.

At a Glance

- **College/School:** [College of Integrative Sciences and Arts](#)
- **Location:** Polytechnic campus
- **Additional Program Fee:** Yes
• **Second Language Requirement**: No
• **First Required Math Course**: MAT 142 - College Mathematics
• **Math Intensity**: General

### Required Courses (Major Map)

2021 - 2022 Major Map  
Major Map (Archives)

### Admission Requirements

**General University Admission Requirements:**
All students are required to meet general university admission requirements.

[Links to 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](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™](https://mypath2asu.asu.edu) 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 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/pathway-programs](https://admission.asu.edu/transfer/pathway-programs).

### 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.

[https://goglobal.asu.edu/](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>Actuary (Financial Risk Analyst)</td>
<td>17.6%</td>
<td>$111,030</td>
</tr>
<tr>
<td>Health Sciences Manager</td>
<td>4.8%</td>
<td>$137,940</td>
</tr>
<tr>
<td>Mathematical Science Assistant</td>
<td>not available</td>
<td></td>
</tr>
<tr>
<td>Mathematical Technician</td>
<td></td>
<td>not available</td>
</tr>
<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>
</tr>
<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

Contact Information

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