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.

Graduates of the BS 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.

Students 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:** Downtown Phoenix campus, Polytechnic campus, Tempe campus, West campus
- **Additional Program Fee:** Yes
- **Second Language Requirement:** No
- **First Required Math Course:** MAT 142 - College Mathematics
Required Courses (Major Map)

2020 - 2021 Major Map
Major Map (Archives)

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://changingmajors.asu.edu/request 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 the Transfer Map search 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.

Global Opportunities

Global Experience

Students enhance their resumes and gain valuable experience through studying abroad. With over 250 programs available, study abroad allows students to tailor their experience to their unique interests and
skillsets. Students in applied quantitative science are able to gain hands-on experience in programs ranging from a summer in Colombia to a semester in Ireland. In a competitive field, students stand out with heightened cultural competency, leadership and critical thinking skills achieved from studying abroad.
https://mystudyabroad.asu.edu/

Career Opportunities

Increasingly, employers are hiring people who know how to use quantitative information. By completing this degree program, students equip themselves 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>22.5%</td>
<td>$101,560</td>
</tr>
<tr>
<td>Health Sciences Manager</td>
<td>9.9%</td>
<td>$118,970</td>
</tr>
<tr>
<td>Mathematical Science Assistant</td>
<td>11.0%</td>
<td>not available</td>
</tr>
<tr>
<td>Mathematical Technician</td>
<td>7.8%</td>
<td>not available</td>
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<tr>
<td>Mathematician</td>
<td>29.7%</td>
<td>$103,010</td>
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<tr>
<td>Mathematics Professor</td>
<td>9.2%</td>
<td>$70,910</td>
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<tr>
<td>Statistician</td>
<td>33.8%</td>
<td>$84,060</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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