Every time someone clicks on a link or Googles a phrase, information is being collected. But how many people truly know what to do with that data? You can. With the data analytics skills you learn in this program, you can be an asset to any enterprise.

Program Description

In the BS program in mathematics with a concentration in statistics, students learn innovative statistical, mathematical and computational methods.

Using statistical methods, students discover how to generate insights that inform fact-based decision-making and research. They use cutting-edge techniques to study and understand methods of statistical inference and explore strategies for dealing with uncertainty.

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.

At a Glance

- **College/School:** [The College of Liberal Arts and Sciences](#)
- **Location:** Tempe
- **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)

2023 - 2024 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.

Accelerated Program Options

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with:

Statistics, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply.

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 college, 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
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.

Program Learning Outcomes

Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Devise strategies that leverage the proper mathematical and statistical tools for application to the analysis of data.
- Perform statistical analysis of data, in order to draw valid conclusions.
- Perform the process of analyzing quantitative problems and drawing conclusions by applying proper mathematical theories.

Global Opportunities

Global Experience

Whether in a foreign country, in the U.S. or online, Global Education programs encourage students to build communication skills, challenge them to adapt and persevere, expose them to differences across the world and increase their ability to work with diverse groups of people.

Each of the more than 300 Global Education program options provide an opportunity for students to develop a valuable skill set that can give them an advantage in their career and personal enrichment. Graduates who possess the heightened cultural competency and leadership and critical thinking skills acquired through study abroad may stand out in a competitive field.

Career Opportunities

Statistical analysis and data mining have been identified as two of the most desirable skills in today's job market. Based on factors like pay, growth and job satisfaction, statistics has been named in separate job reports as one of the best careers.

The U.S. Bureau of Labor Statistics projects a 35% growth rate in the need for employees trained in statistical analysis. For students pursuing a bachelor's degree in mathematics with a concentration in statistics, that means an exciting future of career opportunities in fields as diverse as business, finance, economics, engineering, biostatistics, technology, sports, marketing, government and more.
Career example titles and salaries listed below are not necessarily entry level, and students should take into consideration how years of experience, geographical location, and required advanced degrees or certifications may affect pay scales.

<table>
<thead>
<tr>
<th>Career</th>
<th>*Growth</th>
<th>*Median Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biostatistician</td>
<td>31.6%</td>
<td>$98,920</td>
</tr>
<tr>
<td>Clinical Data Manager</td>
<td>35.2%</td>
<td>$103,500</td>
</tr>
<tr>
<td>Clinical Trial Manager</td>
<td>4.8%</td>
<td>$144,440</td>
</tr>
<tr>
<td>Field Researcher</td>
<td></td>
<td>$60,410</td>
</tr>
<tr>
<td>Market Research Analyst</td>
<td>13.4%</td>
<td>$68,230</td>
</tr>
<tr>
<td>Mathematician</td>
<td>2.2%</td>
<td>$112,110</td>
</tr>
<tr>
<td>Risk Manager</td>
<td>8.2%</td>
<td>$102,120</td>
</tr>
<tr>
<td>Statistician</td>
<td>31.6%</td>
<td>$98,920</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

Contact Information

Schedule an advisor appointment
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