Mathematics (Statistics), BS

LAMATTBS

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 mathematical, computational and statistical methods to analyze data sets as well as how to use data in real-world applications.

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

At a Glance

- **College/School:** The College of Liberal Arts and Sciences
- **Location:** Tempe campus
- **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)

2021 - 2022 Major Map
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 and master's degree with:

Statistics, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

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://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 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
With over 250 programs available, study abroad allows students to tailor their experience to their unique interests and skillsets. Students pursuing the statistics concentration are able to gain hands-on experience in programs such as a summer in Colombia and a semester in Ireland.
Graduates who possess the heightened cultural competency and leadership and critical thinking skills acquired through study abroad may stand out in a competitive field.  

https://goglobal.asu.edu/

**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 for millennials. Data and the analysis of data is big business, and the Department of Labor projects a 25% growth in the need for employees trained in data analytics.

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, engineering, technology, sports, marketing, government and other areas of the economy.

These are just a few of the top career paths students can pursue with a major in this bachelor's degree program:

- actuary
- data scientist
- financial analyst
- market research analyst
- software engineer
- sports statistician
- statistician
- teacher or professor

Students also can combine statistics with other disciplines, such as business or economics, to enhance preparation for their personal career goals.

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>Biostatistician</td>
<td>34.6%</td>
<td>$92,270</td>
</tr>
<tr>
<td>Clinical Data Manager</td>
<td>not available</td>
<td></td>
</tr>
<tr>
<td>Clinical Trial Manager</td>
<td>4.8%</td>
<td>$137,940</td>
</tr>
<tr>
<td>Field Researcher</td>
<td></td>
<td>$59,870</td>
</tr>
<tr>
<td>Market Research Analyst</td>
<td>17.7%</td>
<td>$65,810</td>
</tr>
<tr>
<td>Mathematician</td>
<td>3.0%</td>
<td>$110,860</td>
</tr>
<tr>
<td>Risk Manager</td>
<td></td>
<td>not available</td>
</tr>
</tbody>
</table>
**Statistician**

34.6%  $92,270

* 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**

Schedule an advisor appointment
School of Mathematical and Statistical Sciences | WXLR A211
math@asu.edu | 480-965-7195