Statistics, BS

For today's world in which big data is growing exponentially, gain the tools and skills you need to turn big data into actionable information and insights, an indispensable aspect of many careers.

Program Description

Almost every industry in the modern economy relies on the collection and analysis of data. The BS program in statistics prepares students to meet the demands of the ever-growing data analysis field and is a launching pad for a statistics-driven career.

Through innovative research opportunities and internships with Phoenix-area corporations, including PING, students build a solid foundation of mathematics and computing, helping them grasp a thorough understanding of both theoretical and practical statistics. This background prepares students for careers in many fields.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program.

At a Glance

- **College/School:** New College of Interdisciplinary Arts and Sciences
- **Location:** West campus
- **Additional Program Fee:** Yes
- **Second Language Requirement:** No
- **First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I
Required Courses (Major Map)

2021 - 2022 Major Map  
Major Map (Archives)

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:

Biological Data Science, 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
Students gain valuable experience when studying abroad, experience which enhances their resumes. With over 250 programs available, study abroad allows students to tailor their experience to their unique interests and skill sets. Statistics majors are able to gain hands-on experience in programs in a variety of countries around the world.

Graduates with the heightened cultural competency and the leadership and critical thinking skills they achieved through study abroad may stand out in any competitive field. [https://goglobal.asu.edu/](https://goglobal.asu.edu/)

**Career Opportunities**

In the era of big data, there is great demand for individuals with all levels of statistical training. Graduates of this program have an understanding of the transdisciplinary nature of statistics and are prepared for graduate study in statistics and related areas or for entry-level positions in a variety of fields, including business, government, the natural and social sciences, engineering, health care and more.

Statisticians are in high demand in many areas of industry, government and academia. Some areas with particularly high demand include:

- finance
- manufacturing
- medical
- pharmaceutical

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>
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<tr>
<td>Business Professor</td>
<td>12.0%</td>
<td>$88,010</td>
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<tr>
<td>Clinical Data Manager</td>
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<tr>
<td>Clinical Trial Manager</td>
<td>4.8%</td>
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<tr>
<td>Field Researcher</td>
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<td>$59,870</td>
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<tr>
<td>Health Sciences Manager</td>
<td>4.8%</td>
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<tr>
<td>Mathematical Science Assistant</td>
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<tr>
<td>Mathematician</td>
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<tr>
<td>Mathematics Professor</td>
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<td>Statistician</td>
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