Statistics, BS

The statistics program offered at ASU’s West campus prepares students to meet the demands of the ever-growing field of data analysis. Through innovative research opportunities and internships with Phoenix-area corporations, our students build a solid foundation of mathematics and computing, preparing them for careers in finance, pharmaceuticals, medicine and manufacturing.

Program Description

Almost every industry in the modern economy relies on the collection and analysis of data. The statistics program offered at ASU’s West campus prepares students to meet the demands of the ever-growing data analysis field. In fact, this program is the only BS degree in statistics in the state of Arizona, making this program 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 prepares students for careers in finance, pharmaceuticals, medicine and manufacturing.

This major is eligible for the Western Undergraduate Exchange (WUE) 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 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program.

At a Glance

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

2018 - 2019 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://students.asu.edu/changingmajors for information about how to change the major to this program.

Global Opportunities

Global Experience

With over 250 programs in more than 65 countries (ranging from one week to one year), study abroad is possible for all ASU students wishing to gain global skills and knowledge in preparation for a 21st century career. Students earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs. https://mystudyabroad.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 and the natural and social sciences.
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>22.5%</td>
<td>$101,560</td>
</tr>
<tr>
<td>Business Professor</td>
<td>18.1%</td>
<td>$80,300</td>
</tr>
<tr>
<td>Clinical Data Manager</td>
<td>33.8%</td>
<td>$84,060</td>
</tr>
<tr>
<td>Clinical Trial Manager</td>
<td>9.9%</td>
<td>$118,970</td>
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<tr>
<td>Field Researcher</td>
<td>2.5%</td>
<td>$54,270</td>
</tr>
<tr>
<td>Health Sciences Manager</td>
<td>9.9%</td>
<td>$118,970</td>
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<tr>
<td>Mathematical Science Assistant</td>
<td>11.0%</td>
<td>not available</td>
</tr>
<tr>
<td>Mathematician</td>
<td>29.7%</td>
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<tr>
<td>Mathematics Professor</td>
<td>9.2%</td>
<td>$70,910</td>
</tr>
<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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