

Statistics, BS

ASSTABS

Big data is growing exponentially. Gain the tools and skills you need to turn big data into actionable information and insights --- an indispensable requirement of many careers and industries.


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, internships and other hands-on opportunities, students build a solid foundation of mathematics and computing, which helps them gain a thorough understanding of both theoretical and practical statistics.

This major is eligible for the Western Undergraduate Exchange program at the following location: West Valley 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 Valley](#) [WUE](#) or [Online, ASU Local](#)
- **Second language requirement:** No
- **First required math course:** MAT 270 - Calculus w/Analytic Geometry I
OR MAT 265 Calculus for Engineers I
- **Math intensity:** Substantial 

Required courses (Major Map)

[2024 - 2025 Major Map \(on-campus\)](#)

[2024 - 2025 Major Map \(online\)](#)

[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:

[Biological Data Science, 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 higher education, 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.

Attend online

ASU Online

ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may [view the program's ASU Online page](#) for program descriptions and to request more information.

ASU Local

It is now possible to earn an ASU degree with [ASU Local](#), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

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 they help students save time and money in their college journey.

Global opportunities

Global experience

Students gain valuable experience when studying abroad. With more than 300 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 achieved through study abroad may stand out in any competitive field.

More information on available programs can be found on the [Global Education website](#).

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
- government policy
- manufacturing
- marketing
- media
- medical
- pharmaceutical
- research

Example job titles and salaries listed below are not necessarily entry level, and students should take into consideration how years of experience and geographical location may affect pay scales. Some jobs also may require advanced degrees, certifications or state-specific licensure.

Career	*Growth	*Median salary
<u>Actuary (Financial Risk Analyst)</u> ☀	23.2%	\$113,990
<u>Biostatistician</u> ☀	31.6%	\$98,920
<u>Clinical Data Manager</u> ☀	35.2%	\$103,500
<u>Clinical Trial Manager</u> ☀	4.8%	\$144,440
<u>Data Scientist</u> ☀	35.2%	\$103,500
<u>Field Researcher</u>		\$60,410
<u>Mathematical Science Assistant</u> ☀	6.2%	\$71,700
<u>Mathematician</u>	2.2%	\$112,110
<u>Mathematics Professor</u>	3.2%	\$77,420
<u>Statistician</u> ☀	31.6%	\$98,920

* 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

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