Are you ready to become a leader in the science and technology fields of the future? Learn key skills in collaborative research, technology design and interdisciplinary leadership, which prepare you to solve tomorrow's most challenging problems.

Program Description

In ASU’s three-year BS degree program in technological leadership, students learn complex problem-solving, technical design thinking and leadership. Coursework focuses on individual and team-based research and design, intensive internships and fundamental skills in writing, math and coding.

The heart of this major consists of an interdisciplinary blend of classroom learning and hands-on projects, taken each semester. In inquiry classes, students use an innovative inquiry process to explore big questions both independently and in teams. Examples of these questions include "What will the moon look like after human settlement?" and "What is the future of cars?" In hands-on classes, students use technical design thinking processes with software and lab tools to create physical products, digital solutions, or service designs that address complex challenges in the world of science and technology.

In addition, immersive internships provide students with an opportunity to apply knowledge from academic courses to address research opportunities or real-world challenges and gain valuable experience in the workplace before graduation.

At a Glance

- **College/School:** [The College of Liberal Arts and Sciences](#)
- **Location:** [Tempe campus](#) or [Online](#), [ASU Local](#)
- **Additional Program Fee:** Yes
- **Second Language Requirement:** No
**First Required Math Course:** MAT 251 - Calculus for Life Sciences
or MAT 265 Calculus for Engineers I or MAT 270 Calculus with Analytic Geometry I

**Math Intensity:** Moderate

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**Required Courses (Major Map)**

2022 - 2023 Major Map (On-campus)
2022 - 2023 Major Map (Online)
Major Map (Archives)

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**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.

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**Accelerated Program Options**

This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

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**Admission Requirements**

**General University Admission Requirements:**
All students are required to meet general university admission requirements.

[Freshman] | [Transfer] | [International] | [Readmission]

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**Change of Major Requirements**

A current ASU student has no additional requirements for changing majors.

Students should refer to [https://changemajor.apps.asu.edu](https://changemajor.apps.asu.edu) for information about how to change a major to this program.

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**Attend Online**

**ASU Online**

ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information [here](https://changemajor.apps.asu.edu).
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. Those interested may learn more about ASU Local here.

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. Students may learn more about these programs by visiting the admission site: https://admission.asu.edu/transfer/MyPath2ASU.

Global Opportunities

Global Experience

With over 250 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad is possible for all ASU students who wish to acquire 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 they may apply financial aid and scholarships toward program costs. More information is available on the Global Education website. https://goglobal.asu.edu/

Career Opportunities

Graduates with this degree are prepared for a wide range of exciting career opportunities in many industries, such as software and technology, energy, aerospace, finance, law and education. They are prepared to succeed in a variety of roles, such as:

- business strategy
- data and analytics
- engineering management
- general management
- operations
- product development
- product or program management
- project management
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><strong>Business Intelligence Analyst</strong></td>
<td></td>
<td>not available</td>
</tr>
<tr>
<td><strong>CEO</strong></td>
<td></td>
<td>$185,950</td>
</tr>
<tr>
<td><strong>Computer Software Quality Engineer</strong></td>
<td></td>
<td>not available</td>
</tr>
<tr>
<td><strong>Engineering Manager</strong></td>
<td>2.6%</td>
<td>$149,530</td>
</tr>
<tr>
<td><strong>General Manager (GM)</strong></td>
<td>5.8%</td>
<td>$103,650</td>
</tr>
<tr>
<td><strong>Judge</strong></td>
<td>3.4%</td>
<td>$141,080</td>
</tr>
<tr>
<td><strong>Social Services Director</strong></td>
<td>17.0%</td>
<td>$69,600</td>
</tr>
<tr>
<td><strong>Technical Sales Engineer</strong></td>
<td>6.3%</td>
<td>$108,830</td>
</tr>
<tr>
<td><strong>Technical Writer</strong></td>
<td>7.4%</td>
<td>$74,650</td>
</tr>
<tr>
<td><strong>Technology Education Teacher, High School</strong></td>
<td>2.3%</td>
<td>$62,460</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

Schedule an advisor appointment
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