Technological Leadership, BS

Think, make and lead in interdisciplinary courses designed to train successful leaders and problem-solvers for science- and technology-related fields of the future. This program teaches the skills needed to transform you into a master learner: ready to adapt to ever-changing and ever-growing workforce needs.

Program Description

In ASU’s three-year BS degree program in technological leadership, students learn complex problem-solving, critical thinking and leadership through an interdisciplinary blend of classroom learning and hands-on projects. Coursework focuses on individual- and team-based inquiry and design, intensive summer internships and fundamental skills in writing, math and coding.

The heart of this major consists of classes in inquiry and making, taken each semester. In inquiry classes, students use an innovative inquiry process to solve 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 making classes, students use similar processes with software and lab tools to create physical products that fill urgent material gaps in the world of science and technology.

At a Glance

- **College/School:** The College of Liberal Arts and Sciences
- **Location:** Tempe campus or online, ASU Local@Los Angeles
- **Additional Program Fee:** Yes
- **Second Language Requirement:** No
- **First Required Math Course:** MAT 265 - Calculus for Engineers I or MAT 270 Calculus with Analytics Geometry
- **Math Intensity:** Substantial
Required Courses (Major Map)

2021 - 2022 Major Map (On-campus)
2021 - 2022 Major Map (Online)
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://changemajor.apps.asu.edu for information about how to change a major to this program.

Attend 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.

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 in more than 65 countries (programs vary in length, 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://goglobal.asu.edu/
Career Opportunities

Graduates with this degree possess the critical thinking, collaborative problem-solving and leadership abilities required for success in fields like technology, business, law, human services and education that focus on solving complicated problems in a variety of disciplines. They are prepared to succeed in an array of endeavors, on direct paths to exciting careers, including in the technology and finance industries, on think tanks and in consulting firms, or in earning an advanced degree before a career in academia.

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>CEO</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Engineering Manager</strong></td>
<td>2.6%</td>
<td>$149,530</td>
</tr>
<tr>
<td><strong>Financial Quantitative Analyst</strong></td>
<td></td>
<td>not available</td>
</tr>
<tr>
<td><strong>General Manager (GM)</strong></td>
<td>5.8%</td>
<td>$103,650</td>
</tr>
<tr>
<td><strong>Geospatial Intelligence Analyst</strong></td>
<td></td>
<td>$107,210</td>
</tr>
<tr>
<td><strong>High School Teacher</strong></td>
<td>3.8%</td>
<td>$62,870</td>
</tr>
<tr>
<td><strong>Industrial Designer</strong></td>
<td></td>
<td>$71,640</td>
</tr>
<tr>
<td><strong>Judge</strong></td>
<td>3.4%</td>
<td>$141,080</td>
</tr>
<tr>
<td><strong>Manufacturing Plant Manager</strong></td>
<td>0.9%</td>
<td>$108,790</td>
</tr>
<tr>
<td><strong>Technical Sales Engineer</strong></td>
<td>6.3%</td>
<td>$108,830</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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