Technological Leadership, Minor

Prepare to lead in your chosen field of study. By strengthening your research, design and leadership skills, you'll be equipped to collaborate across disciplines to solve complex problems in the fields of science and technology.

Description

A minor in technological leadership equips students with the skills needed to solve tomorrow's most pressing problems. Through a series of engaging and hands-on courses, students learn how to recognize and describe unsolved problems in the fields of science and technology and practice implementing creative problem-solving techniques to design potential solutions to those problems. This minor complements and enhances a student's major with key skills in collaborative research, technology design and interdisciplinary leadership.

At a Glance

• College/School: The College of Liberal Arts and Sciences
• Location: Tempe or Online

Program Requirements

Minor Map (Archives)
2022 - 2023 Minor Map

The technological leadership minor consists of 18 credit hours, of which 12 credit hours must be upper division. A minimum grade of "C" (2.00 on a 4.00 scale) is required for all courses in the minor.

Inquiry Courses -- 6 credit hours

IPI 296: Inquiry (L) (3)
IPI 496: Advanced Inquiry (3)

Making Courses (choose two) -- 6 credit hours

A minimum of three credit hours must be upper division.

AME 240: Introduction to Physical Computing (3)
AME 330: Digital-Physical Systems (3)
HDA 296: Creative Futures: Studio (3)
HDA 496: Creative Futures: Advanced Studio (3)
IPI 241: Designing and Making for an Interplanetary Future (3)
IPI 441: Advanced Designing and Making for an Interplanetary Future (3)
HDA 296: Creative Futures: Studio (3)
HDA 496: Creative Futures: Advanced Studio (3)
IPI 241: Designing and Making for an Interplanetary Future (3)
IPI 441: Advanced Designing and Making for an Interplanetary Future (3)
SES 307: Space Works I: Design, Build, Test (3)
SES 407: Space Works II: Model, Fabricate, Test (3)

Leadership Courses (choose two) -- 6 credit hours

FIS 432: Problem Solving Through Strategic Thinking (3)
LSE 305: Conceptualizing Learning: Theories in Practice (3)
PSY 302: The Psychology of Positive Leadership (3)
WPC 300: Problem Solving and Actionable Analytics (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

Enrollment Requirements

GPA Requirement: None

Incompatible Majors: Technological Leadership, BS

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

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.

Career Opportunities
A minor in technological leadership supports students who are interested in emerging fields and careers that span multiple disciplines, such as:

- academic research
- education
- entrepreneurship
- management consulting
- product management
- technology transfer

Contact Information

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