Technological Leadership, Minor

LATECLDMIN

Strengthen your research, design and leadership skills to be equipped for collaboration across disciplines. You'll be prepared to help solve complex problems and ready to lead in your chosen field of study.

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 they practice implementing creative problem-solving techniques to design potential solutions to those problems.

Offered by the Interplanetary Initiative, this minor complements and enhances a student's major with key skills in interdisciplinary research, technology design and collaborative leadership.

At a glance

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

Program requirements

2024 - 2025 Minor Map
Minor Map (Archives)

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 (Electronics and Programming) (3)

IPI 341: Designing and Making (3D Printing and Fabrication) (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)

MGT 380: Management and Strategy (3)

OGL 300: Theory and Practice of Leadership (3)

OGL 345: Organizational Ethics (3)

PMG 320: Project Approaches (3)

PSY 302: The Psychology of Positive Leadership (3)

SOC 334: Technology and Society (L or SB) (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 or the minor program. 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 programâs ASU Online page](#) for program descriptions and to request more information.

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
- business strategy
- data analytics
- engineering management
- entrepreneurship
- management consulting
- product management
- project management
- systems engineering
- technology transfer

Contact information

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