

Human Systems Engineering, Minor

ESHSEMIN

Description

In the minor program in human systems engineering, students acquire an understanding of the science of human performance and gain experience using methods and tools that enable them to apply their understanding to design and problem-solving. These skills can be used in a wide variety of domains, such as product usability, learning design, sports performance, and workplace and hospital safety.

At a glance

- **College/school:** [Ira A. Fulton Schools of Engineering](#)
- **Location:** [Polytechnic](#) or [Online](#)

Curriculum

[View curriculum archives](#)

2025-2026 Catalog Year

[Open in separate page](#)

[Expand all course lists](#)

Requirement	Minimum Grade	Credit Hours
HSE 101 Introduction to Human Systems Engineering (SOBE)	C	3
HSE 225 Human Systems Integration	C	3
HSE 230 Statistics for Human Systems Research I (QTRS)	C	3
HSE 290 Experimental Methods for Human Systems Research (QTRS)	C	3
HSE 323 Perceptual Systems (SOBE) or HSE 324 Applied Cognitive Science (SOBE)	C	3
HSE 325 Human-Computer Interaction	C	3
Upper Division Electives	C	3

Notes

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

Enrollment requirements

GPA Requirement: 2.00

Incompatible Majors: BS in human systems engineering

Other Enrollment Requirements: None

Students should consult with an [advisor in The Polytechnic School](#) to verify eligibility and to review all courses required for the minor.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult with their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. 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 the minor. Students should contact their academic advisor for more information.

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.

Career opportunities

A variety of professions need experts in human factors. These professionals work on problems whose solutions involve an understanding of human performance in areas that include user experience, aviation human factors, cognitive performance, consumer psychology, transportation human factors, patient safety, effective teamwork, health psychology, learning optimization, social cognition, threat detection and sports psychology.

The human systems engineering minor prepares students for industry and government careers. Graduates may work as a member of a design team for a product or system in a position such as:

- game designer
- human factors engineer
- human systems integrator
- interface designer

- usability engineer
- user experience designer

Contact information

[Human Systems Engineering](#) | WANER 240J
polyadvising@asu.edu
480-727-1874