

HUMAN FACTORS, CERTIFICATE

Requirements for an undergraduate certificate may be completed at any campus location offering the specified courses for the certificate.

Program Description

This 15 credit interdisciplinary certificate program is designed to prepare students with in-depth knowledge of the capabilities and limitations of people and the application of psychological concepts to the design and safety of products and services; including consumer goods, military products, interactive websites and games, and assistive technologies. This certificate requires that students take introductory psychology as well as the two human factors courses (9 credits). Students will also need to take one additional psychology course (3 credits), and one course (3 credits) outside of their major of study in order to foster the interdisciplinary nature of this certificate.

What are Human Factors?

Can we make car crashes less likely by redesigning the dashboard or changing the pedal location? That's a typical question in human factors psychology. By using knowledge of humans' physical and cognitive abilities and limitations, human factors psychologists work to improve organizations, jobs, machines, tools, and consumer products for safe, efficient, and comfortable human use. Human factors draws on many academic disciplines, including psychology, engineering, biomechanics, computer science, and industrial design.

You Might Like This Program If...

- You think about the ways that everyday objects could be improved.
- You are interested in people, technology, and machines.
- You like watching people.
- You enjoy the challenge of learning new technologies.
- You want to make the workplace safer.
- You are majoring in psychology or an engineering discipline.