Description of Certificate

The field of Human Factors is concerned with applying what is known about people, their strengths and limitations, to improve the usability of technology. Professionals in the field help develop exciting new technology that enhances our everyday lives.

This certificate introduces students to how psychology is applied to the design of technical systems (e.g., developing user-friendly interface displays). Students will learn how people perceive, learn, understand, and remember information. They will be exposed to fundamental principles from Human Factors and Human-Computer Interaction. For instance, they will learn the basics of the human-centered design process, which is useful across various application domains (e.g., web, cybersecurity, transportation, medical). Graduates will be ready to assist with the (re)design of technology to improve the usability of digital systems.

It is anticipated that full-time students will be able to complete the certificate program in one academic year. The coursework can be completed fully online.

Admissions:

Send an email to jstill@odu.edu expressing your interest. Degree-seeking students will need to complete the prerequisite of Introduction to Psychology with a grade C or better. Non-degree seeking students, must have junior standing (i.e., two years of post-secondary coursework) at regionally accredited institutions. Students without a degree in the United States must also score 230 or better on the computer-based Test of English as a Foreign Language exam or an 80 on the iBT.

Curriculum Requirements:

PSYC 307: Institutionalization of Human-Centered Computing (3 credits)
PSYC 344: Human Factors (3 credits)
PSYC 410: Human Cognition (3 credits)
PSYC 413: Sensation and Perception (3 credits)

Graduation Requirements:

Achieve a C or better in each course

Certificate coodinator
Jeremiah Still, Ph.D.

EST. SPRING 2024