HOW TO APPLY

gradase.admissions.tufts.edu/apply

YOU'LL NEED TO SUBMIT

- >> Resume/CV
- >> Personal statement
- >> Transcripts
- >> One letter of recommendation
- >> Application fee
- >> Official TOEFL, IELTS, or Duolingo scores (if applicable)

DEADLINES

For latest information about application deadlines, visit **go.tufts.edu/GraduateDeadlines**

Once you submit your application, the department will review your materials. Throughout the process, you can follow the status of your application and receive your admission decision through your Tufts admissions account. Please contact the Office of Graduate Admissions at gradadmissions@tufts.edu or 617-627-3395 if you have any questions.

Tufts UNIVERSITY | School of Engineering

Human Factors Program
Department of Mechanical Engineering
Science and Engineering Complex, Tufts University
200 College Avenue
Medford, MA 02155

HUMAN FACTORS IN MEDICAL DEVICES AND SYSTEMS

Earn a rigorous certificate and prepare to work in the medical industry

Tufts UNIVERSITY | School of Engineering

At Tufts University, the Certificate in Human Factors in Medical Devices and Systems prepares students to help make medical devices and systems safe, effective, and satisfying to use. Students develop and enhance skills in medical/health technology assessment, validation, and overall design. The certificate is particularly relevant for human factors professionals, user interface designers, and people involved in medical device design, product use, and safety.

Tufts School of Engineering has a long history of expertise in human factors engineering, biomedical engineering, and the design of medical devices and systems. Tufts provides a student-centered experience at a top-notch research university. Students join small classes where professors know them by name, and immerse themselves in cutting-edge, interdisciplinary research topics under the guidance of innovative faculty.

Choose between earning your certificate 100% online, with live sessions in the evenings, or a hybrid experience with online and in-person classes.

COURSES

The certificate is offered in collaboration with Tufts' Departments of Psychology, Mechanical Engineering, and Occupational Therapy. Students take four courses for a total of 12 credit hours:

>> Medical Fundamentals
>> Human Factors in Medical Technology
>> Two electives from various Tufts departments

CHOOSE WHAT WORKS FOR YOU

LEARN IN A HYBRID ENVIRONMENT OR FULLY ONLINE

Two required courses for the certificate are delivered online, and students can opt to complete their other two courses either online or in-person. Tufts' beautiful campus is located in Medford and Somerville, Massachusetts, with easy access to the technological and medical hub of Boston just six miles away.

Online courses feature both self-paced lesson materials and required weekly class meetings. All live meetings are scheduled in the evenings.

WHO SHOULD APPLY?

>> Individuals with at least a bachelor's degree in a related discipline (or work experience) who wish to focus their career on medical devices and systems
>> Scientists, engineers, project and product managers, and other professionals who seek a deeper understanding of human factors to enhance their work
>> Individuals working to improve patient safety

Learn more about courses and electives at **go.tufts.edu/hfmds**

COLLABORATE WITH FACULTY EXPERTS

The human factors program is distinguished by its opportunities to work closely with faculty every step of the way. Students have the chance to collaborate with and learn from some of the most renowned experts in the country.

FACULTY RESEARCH AREAS INCLUDE

>> Medical devices and products
>> Healthcare system design
>> Ergonomics
>> Usability testing
>> Software user interfaces
>> Technology in mental health practice
>> Assistive design and technology
>> Human machine system design
>> AI-powered research and development

ENGINEER YOUR FUTURE

The need for human factors specialists in the medical device and systems industry is stronger than ever before. The role of human factors engineers is crucial to ensuring the safe, effective, and satisfying use of medical devices, including those that deliver drugs and perform life-critical functions.

Certificate students interested in earning a master's degree can often apply these certificate courses toward Tufts' MS in Human Factors Engineering.