

ONLINE/DISTANCE LEARNING COURSES

This list has been extracted from the Resource list of the [Human Factors and Ergonomics Society](#). Some of the resources listed here are degree courses while others are university certificate courses or individual courses. Additional courses have been added as they have come to the attention of BCPE. This list may not be comprehensive and may have inaccuracies.

The intent is to aid applicants in finding online courses to complement their backgrounds. Some courses have pre-requisites. Please visit the HFES website for the full list of resources of university courses in the US.

BCPE does not review, sponsor, endorse or provide any educational training, coursework or program. This is a best practice for certification bodies to be sure there is no conflict of interest.

USA

Auburn University

<http://www.gop.auburn.edu/>

Occupational ergonomics & Safety certificates

Bentley

<https://www.hfes.org/resources/educational-and-professional-resources/hfes-graduate-program-accreditation/bentley-university>

Online MS in Information Design – HF program

Colorado State University

<https://www.online.colostate.edu/certificates/ergonomics/>

Occupational Ergonomics Certificate

Florida Institute of Technology

<https://www.hfes.org/resources/educational-and-professional-resources/hfes-graduate-program-accreditation/florida-institute-of-technology>

Distance Learning available - Aeronautics focus

Iowa State University

<https://www.hfes.org/resources/educational-and-professional-resources/hfes-graduate-program-accreditation/iowa-state-university>

Industrial Engineering with HF/E focus. Key courses online.

North Carolina State University

<https://www.hfes.org/resources/educational-and-professional-resources/hfes-graduate-program-accreditation/north-carolina-state-university>

Required & Select HF/E courses offered online & distance degree in ISE

Pennsylvania State University

<https://www.hfes.org/resources/educational-and-professional-resources/hfes-graduate-program-accreditation/pennsylvania-state-university>

Required courses online: Courses IE327, IE419, IE479, IE552, IE553, and IE558 are available online, with a Web-based certificate presented after completion (There may be prerequisites.)

Pennsylvania State University: Graduate Certificate in HFE and Ergonomics

<https://www.worldcampus.psu.edu/degrees-and-certificates/human-factors-engineering-ergonomics-certificate/overview>

Online graduate certificate – courses have prerequisites

Purdue University

<https://www.hfes.org/resources/educational-and-professional-resources/hfes-graduate-program-accreditation/purdue-university>

Required courses are online – MSIE with HF is online

<https://engineering.purdue.edu/ProEd/programs/masters-degrees/industrial-engineering>

Tufts University

<https://engineering.tufts.edu/me/current/certificate-programs/hf-medical-devices-and-systems>

Certificate in Human Factors in Medical Devices and Systems – available via distance-learning.

Total of 4 courses.

University of Alabama, Huntsville

<https://www.hfes.org/resources/educational-and-professional-resources/hfes-graduate-program-accreditation/university-of-alabama-huntsville>

Some courses offered:

Human Factors in Systems Design, Occupational Safety Engineering, Occupational Biomechanics, Systems Safety Engineering. Distance degree in ISE is currently offered

The State University of New York, Buffalo

<https://www.hfes.org/resources/educational-and-professional-resources/hfes-graduate-program-accreditation/state-university-of-new-york-buffalo>

Some distance learning: required courses -

Design and Analysis of Experiments, Human Information Processing, Human Factors in Safety, Human Computer Interaction, Work Physiology via video/online streaming, may be offered in summer. Courses count towards regular degree programs (only 50% of degree credits can be completed via distance courses)

University of California, Berkeley

Center for Occupational and Environmental Health (COEH)

<https://coeh.berkeley.edu/ergonline/>

Provides 6 online, 8-week courses that can be taken individually or as a set.

- Fundamentals of Human Factors and Ergonomics

- Evidenced Based Practice

- Introduction to Physical Ergonomics and Human Factors

- Introduction to Cognitive Ergonomics and Human Factors

Prevention Through Design
Introduction to Systems Approach and Macro Ergonomics
Annual Ergonomics Skills Workshop (not online)

University of Idaho

<https://www.hfes.org/resources/educational-and-professional-resources/hfes-graduate-program-accreditation/university-of-idaho>

Students can complete a master's degree via distance. All courses are available online; each course is typically offered once a year.

Open to individual course enrollment.

CANADA

University of Fredericton

<http://www.ufred.ca/programs/school-of-occupational-health-and-safety/certificate-in-applied-ergonomics/>

Certificate in Applied Ergonomics

Online classes with weekly online classroom sessions.

Self-directed but completion is anticipated to be 16 weeks

Dalhousie University

<https://www.dal.ca/faculty/cce/programs/ergonomics/certificate-in-ergonomics-program-management.html>

Certificate in Ergonomic Program Management

Four courses each 4 weeks long, industrial and office ergonomics focus.

Online.

UNITED KINGDOM

University of Nottingham

<https://www.nottingham.ac.uk/pgstudy/courses/mechanical-materials-and-manufacturing-engineering/applied-ergonomics-by-distance-learning-pgcert.aspx>

Post graduate certification – Applied Ergonomics and Human Factors (distance learning) PGCert

Part-time course

MSc Applied Ergonomics and Human Factors (distance learning)

<https://www.nottingham.ac.uk/pgstudy/courses/mechanical-materials-and-manufacturing-engineering/applied-ergonomics-by-distance-learning-msc.aspx>

Part-time course

University of Derby

<https://www.derby.ac.uk/online/course/ergonomics-msc>

MSc Ergonomics (3 stages with possible PG Cert or PG Dip at different stages towards MSc)

Online.

IRELAND

University College Cork

<https://www.ucc.ie/en/publichealth/programmes/postgrad/online-msc-in-occupational-health/>

MSc in Occupational Health (online)

20 months Part-time

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