

## 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>

### **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 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