

IEEE eLearning Library

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For Academics

The premier online collection of short courses and conference workshops

The IEEE eLearning Library combines the advanced technology content only IEEE can provide with a convenient, intuitive learning system. With over 300 courses in communications, computing, engineering, power, professional development, and dozens of other core and emerging technologies—the IEEE eLearning Library gives students and faculty a better way to learn.

IEEE eLearning Library offers many benefits for academics:

- Give students the knowledge to master key technology concepts
- Allow distance learners to access the same content as on-site users
- Incorporate material into a classroom lecture, or use as supplement
- Help students prepare for a more advanced course
- Build awareness of converging technologies for research projects
- Allow students to take courses for extra credit
- Introduce emerging technologies and engineering terminology
- Build proficiency in technical English through a listen/view/read learning process
- Guide students into specialty engineering fields
- Broaden professional development

Enjoy the flexibility of online learning from leading experts in technology with:

- Courses developed, peer reviewed, and updated by experts in the field
- Courses ranging from one to three hours in length
- Notes, glossary terms, and a post-test included with each course

Free Trial for Your University

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IEEE eLearning Library Quick Facts

Develop the skills and knowledge needed to succeed:

Over 300 courses in core and emerging technologies

Customizable navigation and menus available in more than 100 user-selected languages

Interactive discussion forums and chat rooms for student interaction

Printable individual CEU or PDH certificates upon the successful completion of a course

Professionally developed multimedia courses

Extended eLearning series in Fiber Optics, Digital Circuit Design, Smart Grid, Biometrics, Sustainable Green Engineering, NESC, RFID, Power Applications, and Communications Technologies

Introductory, Intermediate, or Advanced course levels

For a custom quote, contact an IEEE Sales Representative.

IEEE eLearning Library: For Academics

Keep up with technology and stay ahead of the curve

IEEE eLearning courses cover a wide array of disciplines—whether you want to enhance your knowledge in your own field or expand to other technical specialties. Courses are available in these categories:

- Aerospace
- Bioengineering
 - The IEEE eLearning Series on Biometrics
- Communication, Networking, and Broadcasting
 - IEEE Standards in Communication Series
- Components, Circuits & Devices, and Systems
 - The IEEE eLearning Series on Design of Integrated Circuits—Single Port
 - The IEEE eLearning Series on Design of Integrated Circuits—Dual Port
- Computing
 - IEEE Software Engineering Assessment Series CSDP and Processing (Hardware/Software)
- Engineering Profession
 - IEEE eLearning Library Series on Ethics
- Free Tutorials
- General Topics for Engineers
- Photonics and Electro-Optics
 - The IEEE eLearning Series on Fiber Optics
 - Pioneers in Photonics
- Power, Energy, and Industry Applications
 - Introduction to Application of the NESC
 - Smart Grid
 - Sustainable Green Engineering
- Robotics and Control Systems
- Signal Processing and Analysis

Quality, peer-reviewed content from subject matter experts

An important part of development, the peer-review process ensures each IEEE eLearning course meets the IEEE standard for quality and accuracy. Each course must pass a rigorous review process by IEEE Societies and experts, as well as faculty from renowned corporations and universities worldwide.

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The IEEE Learning Management System—now available via IEEE *Xplore*

Built on the Moodle open-source platform, the IEEE Learning Management System (LMS) allows users to keep track of courses and CEUs by authenticating with their personal IEEE Web account. Users can search and view abstracts in IEEE *Xplore* and then log in to the IEEE LMS for a personalized eLearning experience.

IEEE Continuing Education Units (CEUs) and Professional Development Hours (PDHs)

All courses are peer-reviewed by content experts, a process that guarantees both the quality of the technical content as well as adherence to strict IEEE criteria for educational excellence. As a CEU provider, IEEE can offer CEUs for any IEEE learning activity running at least one hour in duration. IEEE CEUs can also be converted into the PDHs needed to meet recertification requirements for professional certifications or licenses.

Phone: +1 800 701 IEEE (4333) (USA/Canada)
+1 732 981 0060 (worldwide)

E-mail: onlinesupport@ieee.org