

Digital Transformation: Moving Toward a Digital Society

An IEEE eLearning Library Course Program

Digital technology is an innovation that significantly modifies the way that consumers, industries, and businesses operate.

As this technology continues to advance, it is crucial for technical professionals to understand the challenges and solutions it brings for their organization and consumers. IEEE presents *Digital Transformation: Moving Toward a Digital Society*, a five-course program aimed to foster a discussion around how digital transformation can revolutionize various industries and provide the background knowledge needed to intelligently implement digital tools into organizations.

Course titles include:

- Understanding Digital Transformation: The Key Concepts
- Drivers of Digital Transformation: Communications, Big Data, and AI
- Forecasting Digital Transformation: Tools and Methods
- Digital Transformation: Game-Changing Opportunities
- Implementing Digital Transformation: From Theory to Practice

Upon completion of this course program, technical professionals will understand:

- The most important aspects of the digital transformation and how technology ecosystems evolve
- How data and knowledge provide a market advantage
- Which tools and trends will define the future of digital transformation
- Why industries such as healthcare, finance, agriculture, energy, and education are targets for digital transformation
- The psychological, social, and political considerations for digital transformation

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Quick Facts

Develop the skills and knowledge needed to succeed:

Five-course program designed to give engineers an understanding of Digital Transformation from an end-to-end perspective

Courses developed and peer reviewed by experts in their fields, a process that guarantees the quality of technical content

Printable IEEE CEU or PDH certificates awarded upon successful completion of the program through the ILN

Available on-demand through IEEE *Xplore*, the IEEE Learning Network or order files to load on a company LMS

Organizational pricing available: pay one price for all users in an organization. Multi-program discounts also available.

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Courses Included in the Digital Transformation Program:

Understanding Digital Transformation: The Key Concepts

Learn the basics of digital transformation. In this course, discover how it changes organizations and re-shapes market niches while learning about the concept of technological ecosystems. Upon completion, you will understand how technology and economics drive digital transformation.

Drivers of Digital Transformation: Communications, Big Data, and AI

Discover early waves of technological innovation while looking at major enablers of digital transformation. In this course, discover how communications, big data, artificial intelligence, and digital twins helped create digital transformation. Upon completion, you will understand how digital transformation evolved and the main drivers of its advancement.

Forecasting Digital Transformation: Tools and Methods

See the future of digital transformation. In this course, learn about various tools and applications that can be used for defining the future of digital transformation. Upon completion, you will be able to use and comprehend mega trends and emerging trends as well as gain tools for forecasting the future.

Digital Transformation: Game-Changing Opportunities

Learn about cornerstones and target industries for digital transformation. In this course, explore how digital transformation can have significant impact on advanced technology and industries such as healthcare, finance, agriculture, energy and education. Upon completion, you will understand the opportunities and risks for multiple industries as they become digital.

Implementing Digital Transformation: From Theory to Practice

How do you implement digital transformation? In this course, learn about the psychological, social, and political considerations and get tools to help with deployment. Upon completion, you will understand the impacts of digital transformation and possess the building blocks needed to make it happen.

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