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# Digital Manufacturing: Introduction and Smart Design

This course is part of [Digital Technology in Manufacturing Specialization](#)



Instructor: [Subject Matter Expert](#)

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## 3 modules

Gain insight into a topic and learn the fundamentals.

**4.6** ★

(10 reviews)

**Intermediate level**

Recommended experience ⓘ

**8 hours to complete**

**Flexible schedule**

Learn at your own pace

## Skills you'll gain

Manufacturing Processes

Cloud Computing

Product Lifecycle Management

Geometric Dimensioning And Tolerancing

Simulation and Simulation Software

Industrial Engineering

Digital Transformation

Engineering Analysis

Network Infrastructure

Finite Element Methods

Real Time Data

Internet Of Things

Computer-Aided Design

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Assessments

3 assignments

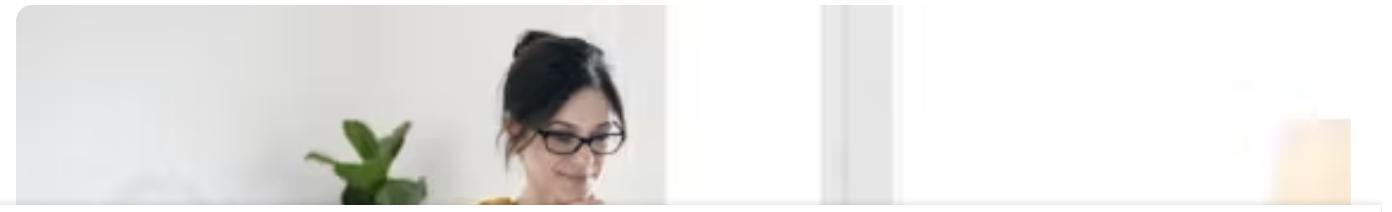


Taught in English

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Module 2 • 2 hours to complete

[Module details](#)

"Industry 4.0 revolutionizes manufacturing through digital integration, marking the fourth industrial revolution with smart, interconnected systems. Key components include



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Processes, advancing towards intelligent, flexible manufacturing systems.

### What's included

- 18 videos
- 1 assignment

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## Technology for Smart Design and Manufacturing

[Module details](#) ^

Module 3 • 2 hours to complete

"Smart Design and Manufacturing Technology revolutionize Digital Manufacturing, integrating CAD/CAM for efficient design-to-production processes. Computer-Aided Geometric Modelling Systems enable intricate shapes, while simulation tools like Finite Element Analysis ensure performance and safety standards. Automation enhances efficiency and accuracy, shaping a connected, precise future in manufacturing."

### What's included

- 17 videos
- 1 assignment

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## Instructor

Subject Matter Expert

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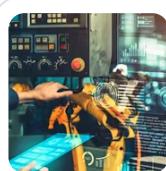
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- ✓ What will I get if I subscribe to this Specialization?
- ✓ Is financial aid available?

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