

# ROBOTICS AND AUTOMATION FOR EVERYONE

Increase productivity and reduce costs  
through automation

With modules from



## Overview

Automation and robotics promise to increase productivity, reduce costs, and make our lives easier. But are we making ourselves obsolete in the process?

MIT xPRO's leading authorities on human-robot interaction don't think so. Their work focuses on how to fuse human strengths with robotic and automated advantages to create win-win outcomes. This two-week program from Emeritus leverages research, videos and content from MIT xPRO and is for any professional who wants to gain fluency in a topic that impacts every industry, not just manufacturing.

If you can think of even a few repetitive or inefficient tasks at your organization, you may have a need for automation. Take this program so you can lead the charge. Upon successful completion of this course, you'll receive a certificate from Emeritus.

## Advance your fluency in robotics by:

- Engaging in peer-to-peer discussions on hot topics
- Completing optional applied exercises
- Applying your knowledge to a final, graded capstone project

## What you'll learn

In order to assess automation's value and predict outcomes, you need to understand the working relationship between humans and automation.

### Week 1:

#### The Current State of Automation and Its Applications

Learning outcomes:

1. Identify successful robot and automation examples and the factors that contribute to their success.
2. Discuss how you can integrate robotics and automation to create value in a workplace and in society.
3. Identify features that make a task more suitable to either humans or robots.
4. Evaluate the opportunities and barriers to using state-of-the-art robotics and automated technologies.
5. Discuss technologies that need to be developed to address current and future societal needs.

### Week 2:

#### The Present and Future of Robotics

Learning outcomes:

1. Discuss the benefits and challenges of a workforce in which humans and robots collaborate.
2. Recommend an approach to safe human-robot interaction.
3. Identify the critical aspects of developing shared-space systems.
4. Develop your vision for a future robotic system.

**UPSKILL** in 2 weeks