

# CMU AI



## Short Course in Artificial Intelligence

At Carnegie Mellon University — one of the places where AI was invented — we understand that we have an obligation to study and create new frontiers in AI. We take that obligation seriously. We've spent decades building a culture where people care about using technology to solve real problems. The result? One of the world's largest collections of experts determined to build things that help humans.

As we lead the AI charge into the 21st century, we also understand that we have a responsibility to share our AI experience and knowledge with the world. That's why we've created our Short Course in Artificial Intelligence.

The AI Short Course introduces audiences of all backgrounds to the theory and development of computer systems, the key technology blocks that enable AI (what we call the "AI Stack"), how AI impacts industry, and the engineering challenges in the field.

Throughout the entire course — taught by our world-famous AI faculty members — we underscore the large role ethics plays in artificial intelligence and how it underpins decision-making at all levels. Plus you'll gain firsthand experience of our AI work through lab tours and site visits.

### WHAT YOU'LL LEARN

- An overview of the technology components in the AI Stack.
- The history, development and challenges associated with machine learning and deep learning as they relate to AI.
- How AI works in systems and the engineering challenges it presents.
- The ethical issues surrounding AI systems.

### WHAT YOU'LL SEE

- Robot demonstrations and tours of CMU's Robotics Institute.
- Tours of the National Robotics Engineering Center (NREC).
- Presentations from a local technology accelerator, if applicable.
- AI demonstrations.

### FOR MORE INFORMATION

Our Short Course in Artificial Intelligence is perfect for a variety of audiences and business, from nonprofits to large corporations. For more information about the course, including pricing and customization options, please contact Patti Rote at **412-576-9742** or **prote@andrew.cmu.edu**.

**Carnegie Mellon University**  
School of Computer Science

5000 FORBES AVENUE  
PITTSBURGH, PA 15213-3890

   SCSatCMU

[cs.cmu.edu](http://cs.cmu.edu)