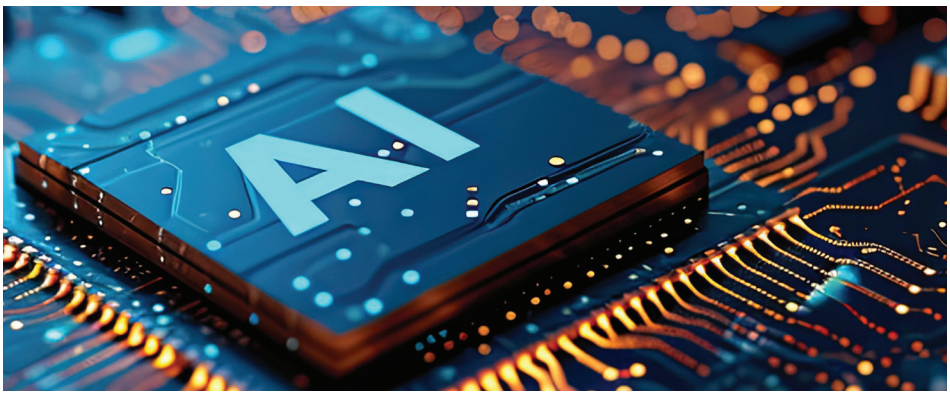
NC STATE UNIVERSITY
Industry Extension Services

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AI-Driven Manufacturing: Practical Productivity for Manufacturing Teams

Artificial intelligence is no longer just a future concept — it's becoming a practical tool for manufacturing teams today.

AI-Driven Manufacturing: Practical Productivity for Manufacturing Teams is a one-day hands-on course designed to help manufacturing professionals understand how generative AI can support everyday tasks.

You'll learn how AI can help with:

- Drafting and improving SOPs
- Troubleshooting operational issues
- Improving reports and internal communication
- Organizing information more efficiently
- Using prompts to guide AI tools effectively

No technical or AI experience required.

Topics Covered:

- Introduction to generative AI and how it works
- Practical AI use cases in manufacturing operations
- Using AI to draft and improve SOPs and work instructions
- AI-supported troubleshooting and problem-solving
- Improving reports, emails, and internal communication with AI
- Basics of prompt design and guiding AI behavior
- Responsible AI use, limitations, and risk awareness

We Can Help.

- Advanced Manufacturing & Technology Deployment
- Business Growth, Innovation & Marketing
- Business & Operational Assessments
- Cybersecurity Strategies
- Defense Industry Initiatives
- Environment, Energy & Sustainability Services
- Evaluation Services & Resource Development
- Industrial & Systems Engineering
- Instructional Design
- Leadership & Organizational Development
- Management Systems & Quality
- Process Optimization & LEAN
- Project Management
- Southeastern OSHA Training Institute Education Center
- Supply Chain & Supplier Matching
- Workplace Health & Safety

What You Will Learn:

- Understand generative AI in practical, plain-language terms
- Identify manufacturing tasks where AI can improve efficiency and consistency
- Communicate effectively with AI tools to get useful, relevant outputs
- Use AI to support documentation, problem-solving, and communication tasks
- Recognize ethical, privacy, and data-security considerations for responsible AI use

Who Should Attend:

- Quality and Continuous Improvement Professionals
- Manufacturing and Operations Leaders
- Engineers and Technical Staff
- Supervisors and Team Leads
- Production and Operational Support Staff

Program Format

- 7-hour onsite customized in-person training for 10 or more participants

Contact your Regional Manager to schedule. **ncstateies.com/RM**

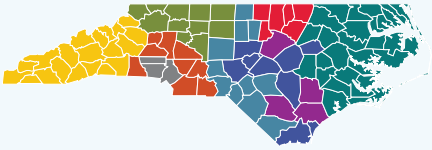
or

- Open enrollment course: **ncstateies.com/AI-productivity**

Connect with your Regional Manager to begin the conversation. ncstateies.com/RM

Connect With Your Regional Manager

ncstateies.com/RM



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NC STATE UNIVERSITY Industry Extension Services

We Can Help. **919.515.2358 | iesservices@ncsu.edu**

NC State University Industry Extension Services, established in 1955 as the outreach team for the NC State University College of Engineering, provides resources, tools and customized training programs to help businesses survive, thrive and grow.

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