

NC State University / North Carolina Manufacturing Extension Partnership
The Robotics/Automation and Cybersecurity Knowledge Sharing Coordination Network
(TRACKS-CN)

Project Goal: TRACKS-CN seeks to develop and promote technician training and workforce education at the convergence of robotics/automation and cybersecurity. As manufacturing companies continue to move toward more automated and connected facilities, content that ties cybersecurity to robotics/automation will need to be incorporated into technician training programs. To begin this work, the network's initial membership includes six community colleges, one community college system office, four Manufacturing Extension Partnerships (MEPs), two Manufacturing USA® Institutes, and the National Initiative for Cyber Security Education. Network members collaborate to promote existing content and create new content to enable technician training that prepares individuals to work in a cyber-physical manufacturing environment.

TRACKS-CN Membership:

Central Piedmont Community College (NC)	Montcalm Community College (MI)
Rowan-Cabarrus Community College (NC)	Moraine Valley Community College (IL)
Wake Technical Community College (NC)	Spartanburg Community College (SC)
NC Community College System	National Initiative for Cybersecurity Education
NC Manufacturing Extension Partnership	IL Manufacturing Excellence Center
MI Manufacturing Technology Center	SC Manufacturing Extension Partnership
Advanced Robotics for Manufacturing (ARM)	Digital Manufacturing Institute (MxD)

Year 1 Key Activities:

- Project Kickoff Workshop – initial face-to-face workshop replaced with two 90-minute Zoom sessions, held on 8/31/20
- Industry Input Session(s) – gather knowledge/skills/abilities input from industry across the four states currently included in the Coordination Network
- Automation Conversation Event – review skills/competencies offered through current workforce development efforts (industry and community college faculty)

TRACKS-CN Website: <https://ate.is/tracks-cn>

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