

# OPERATIONAL TECHNOLOGY PATHWAY, MANUFACTURING TRACK

ICTC eLearning accelerates your digital career with self-paced courses in cybersecurity, data science, AI, and digital fundamentals, supported by dedicated facilitators who guide you throughout your learning journey. This comprehensive program provides essential technical and career skills training for in-demand digital infrastructure roles.

Course #	Course Name & Duration	Languages offered	Official Cisco Course Overview
Course 1	<b>Industrial Networking Essentials</b> (35 hours)	EN and FR	Introduce foundational networking concepts essential for modern industrial infrastructures, focusing on IT and OT integration. Prepare learners for entry-level careers in operational technology (OT), with practice using Cisco Packet Tracer 9.0.0, to simulate real-world scenarios with industrial devices.
Course 2	<b>Industrial IoT and Control Systems in Manufacturing</b> (15 hours)	EN and FR	Explore how Industrial Control Systems (ICS) and Industrial Internet of Things (IIoT) technologies drive smart manufacturing. Learners will develop skills for modern production by simulating automated processes, PLC programming, and networked manufacturing systems using Cisco Packet Tracer 9.0.0.
Course 3	<b>Industrial Cybersecurity Essentials</b> (25 hours)	EN	Introduce essential cybersecurity concepts for modern industrial infrastructures, focusing on securing Industrial Internet of Things (IIoT) and Industrial Controls Systems (ICS). Prepare learners for entry-level careers in operational technology (OT), and to practice using Cisco Packet Tracer 9.0.0, to simulate real-world scenarios with industrial devices.