



# Industrial Cybersecurity

Course Module	Content Overview	Duration
Introduction to Industrial Cybersecurity	ICS overview OT security Industrial cybersecurity challenges	2 weeks
Securing Operational Technology (OT)	Protecting OT environments Threat detection Vulnerability management	3 weeks
Cyber Threats to Critical Infrastructure	Threats to energy, water, and transport Impact analysis Mitigation strategies	3 weeks
AI in Industrial Cybersecurity	AI applications in industrial settings Predictive maintenance Threat detection	2 weeks
Penetration Testing for Industrial Systems	Simulating attacks Testing frameworks Risk assessment	2 weeks
Compliance and Regulatory Frameworks	Regulations and standards Compliance requirements Risk management	2 weeks

