

SANS INDUSTRIAL CONTROL SYSTEMS SECURITY



ICS CAREER PROGRESSION

In a world that is seeing increasingly sophisticated and impactful industrial cyber threats, these courses prepare OT security professionals to lead, defend, and protect industrial control systems at the foundational, management, tactical and advanced skill sets. With SANS ICS Security, train to defend what makes, moves, and powers the world.



ICS
410

ICS/SCADA Security Essentials

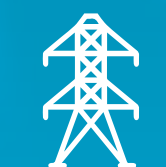
Gain foundational skills to protect critical infrastructure safe from cyber threats



ICS
418

ICS Security Essentials for Managers

Manage the people, processes, and technologies for OT cyber risk programs



ICS
456

Essentials for NERC Critical Infrastructure Protection

Maintain a defensible compliance program up to NERC CIP standards



ICS
612

ICS Cybersecurity In-Depth

Identify threats in a real-world ICS environment to protect against adversary attacks



ICS Security Analyst

Acquires and manages resources, supports, and performs key industrial security protection while adhering to safety and engineering goals

ICS Security Architect

Ensures control system network security compliance and best practises for control networks

ICS Security Incident Responder

Executes specific industrial incident response for incidents that threaten or impact control system networks and assets, while maintaining the safety and reliability of operations

ICS Security Manager

Builds and maintains business relationships with engineering staff and C-suite stakeholders by communicating and managing cyber-to-physical risks while reducing security risk to engineering operations and simultaneously prioritising safety

Process Control Engineering

Tests, programs, troubleshoots, and oversees changes of existing processes or implements new engineering processes through the deployment and operations of engineering systems and automation devices



Where multiple courses are shown for a given role, determination of the best course to take would be based on the number of years of experience and sector of work.