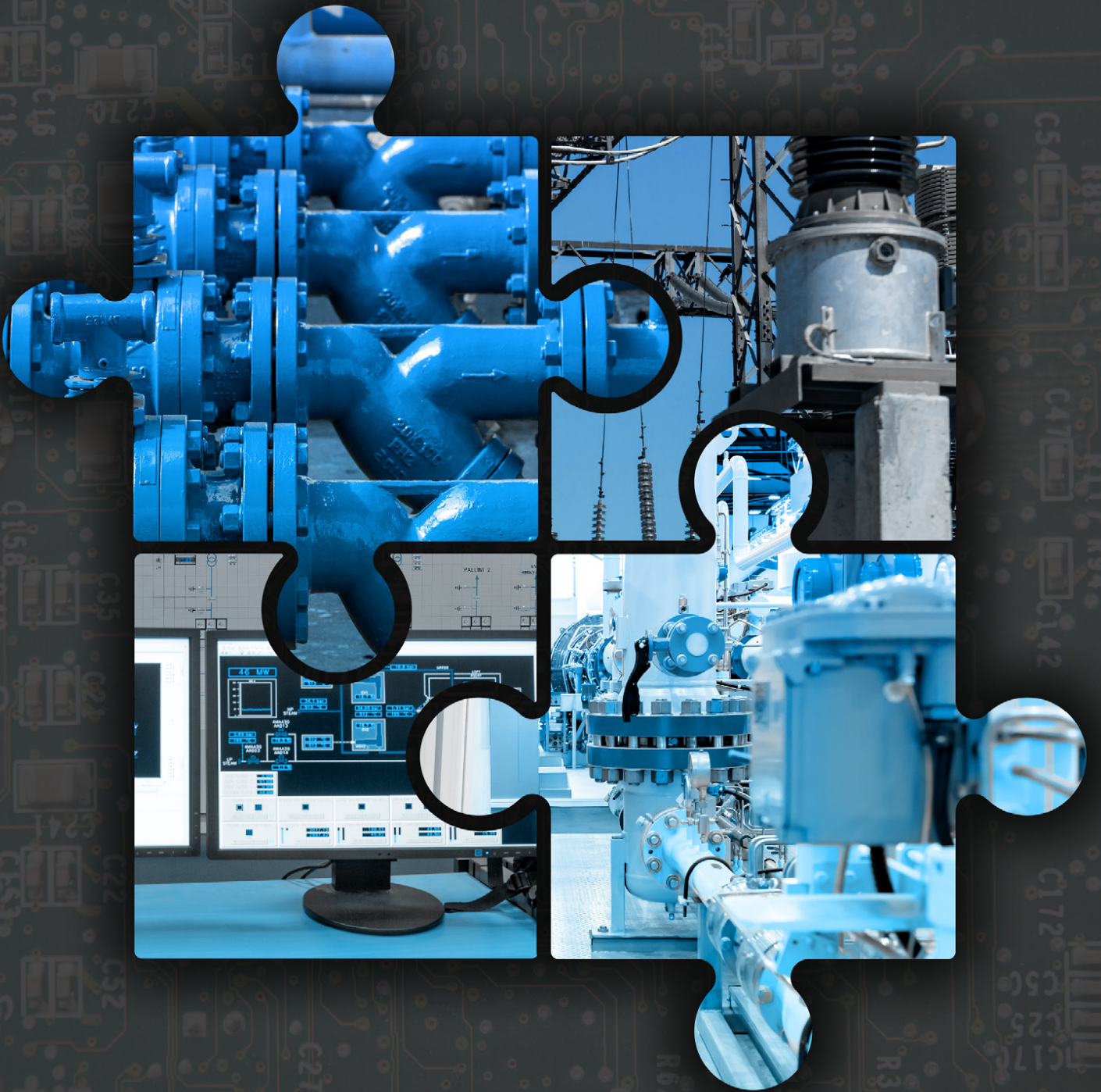# ICS/SCADA
CYBER SECURITY

EC-Council

ICS/SCADA Cybersecurity

Due to the potential impact of an attack on the physical safety of communities, employees or customers, ICS /SCADA security is an even higher priority than for traditional IT systems. Cyber criminals have already developed malware threats such as Triton/TRISIS and Stuxnet that can disrupt industrial Operation Technology (OT).

The ICS/SCADA Cyber Security Training Course is a hands-on training which will enable you to learn the foundation of security and defending architectures from attacks. You will look at the concept of "thinking like a hacker" to learn techniques to defend from the types of attacks that are commonly conducted against the oil and gas IT corporate and control network.

"The much-awaited ICS/SCADA cyber security training course IT professionals have been looking for."

Course Description

You will learn powerful methods to analyze the risk of both the IT and corporate network. Once your foundation has been set, you will look at the best practices and recommendations when it comes to bridging the air gap. You will learn a systematic process of intrusion and malware analysis. Once you have the process for analysis mastered, you will be introduced to the digital forensic process and how to respond to incidents when a breach is detected.

Course Outline

- Module 1: Introduction to ICS/SCADA Network Defense
- Module 2: TCP/IP 101
- Module 3: Introduction to Hacking
- Module 4: Vulnerability Management
- Module 5: Standards and Regulations for Cybersecurity
- Module 6: Securing the ICS network
- Module 7: Bridging the Air Gap
- Module 8: Introduction to Intrusion Detection Systems (IDS) and Intrusion Prevention Systems (IPS)

ICS/SCADA Cybersecurity Exam Details

- Duration: 2 Hours
- Questions: 75
- Passing Score: 70%
- Exam Type: MCQ

On-Demand Learning Base Package:

- Instructor led training modules (1 year access)
- Official e-courseware (1 year access)
- Certificate of Completion

Who is it for?

This course is specially designed for IT professionals who are involved in managing or directing their organization's IT infrastructure and who are responsible for establishing and maintaining information security policies, practices and procedures. The focus in the course is on the Industrial Control Systems (ICS) and Supervisory Control and Data Acquisition (SCADA) Systems.

Job Roles

- SCADA Systems Personnel
- Business System Analysts Who Support SCADA Interfaces
- System administrators, engineers and other IT professionals when administering, patching, securing SCADA and/or ICS
- Security consultants when performing security assessments of SCADA and/or ICS

Certification Club

Don't limit yourself to one class per year, join the iClass Club and get your cybersecurity training directly from the source! No one course can make you an expert, so take advantage of EC-Council Master trainers in each subject area and become a well-rounded cybersecurity professional.

For approximately the cost of one live course, the iClass Club will stretch your budget from one course to many. With savings like that, you can afford to build a strong foundation of cybersecurity knowledge in ethical hacking, pen testing, network defense, incident response, computer forensics, and so much more!

According to TheHackerNews in 2023, the percentage of ICS security vulnerabilities without patches rose to 34%, a significant jump from 13% in the prior year.