

## Training Course

Cyber Security Basics (IES-CS1)	
Objective	In this training attendees will learn techniques to establish and test protection measures to increase network security.
Prerequisites	Strong networking experience is required, based on experiences in the field or previous attendance of the “Layer 2 Networking” (IES-L2), “Layer 3 Networking” (IES-L3) and “Routing and Switching” (IES-RS) courses. Preferably participants have reached Moxa Certified Engineer certification level.
Content	<p>Overview of Cyber Security</p> <ul style="list-style-type: none"> <li>- IEC-62443</li> <li>- Zones &amp; conduits</li> </ul> <p>Testing Network Vulnerabilities</p> <ul style="list-style-type: none"> <li>- Password cracking</li> <li>- Denial Of Service</li> <li>- ARP Spoofing</li> <li>- Man In The Middle</li> </ul> <p>Defining Security Policy</p> <ul style="list-style-type: none"> <li>- Passwords</li> <li>- Access Control List</li> <li>- Network Address translation</li> <li>- DMZ</li> <li>- Firewall</li> <li>- RADIUS authentication</li> <li>- VPN</li> </ul> <p>Hands-on</p> <ul style="list-style-type: none"> <li>- Intruders / Defenders teams game</li> <li>- Rules &amp; Tools</li> <li>- Methods</li> </ul> <p>Summary</p>
Duration	1,5 Day
Certification	Industrial Cyber-Security (IES-CS1)