





Are any repair or maintenance projects related with this rated with this course: Yes No

If yes, explain the need for repair or maint. reqs.

Equipment

Technology

Spare

Course Name: Industrial Control Systems Security – ITEC 6520

Hours: 3

Course Description

The course is designed to focus on how Industrial Control Systems function while looking at the security issues concerning the deployment of the technology in support of critical infrastructure.

Prerequisite: Admission into MSIT

Textbook and Resources

Learning Outcomes

The student will be able to:

- Describe the network components of an Industrial Control System
- Identify the protocols in use in Industrial Control Systems
- Demonstrate knowledge of application characteristics of various Industrial Control Systems
- Describe how Standards impact the deployment and operation of Industrial Control Systems
- Identify Organizations that govern Industrial Control System and their operation
- Distinguish between Critical and Non-Critical Industrial Control System
- Identify the unique challenges that exist in securing Industrial Control Systems versus

Week 6

Advance Persistent Threats and Cyber
War on Industrial Control
Systems