



NCPCC
National Cybersecurity
Preparedness Consortium

AWR-428 Practical Internet of Things Security



December 10, 2024 8:00am-5:00 pm

8 Hours Instructor-Led

This course will cover the security elements of an Internet of Things (IoT) system including sensors, controllers, and network interfaces.

This National Cybersecurity Preparedness Consortium (NCPCC) training course is developed and delivered by Norwich University Applied Research Institutes (NUARI). NCPCC courses are fully funded by DHS/FEMA and provided at no direct cost to participants.

Course Description

IoT devices are everywhere, today. They are in our manufacturing plants, our conference rooms, and even our homes. Are they implemented in a way that allows you to enjoy the benefits without introducing undue risk?

This course introduces participants to IoT concepts, considerations, systems, and security issues. A practical exercise lab is included for students to practice research on IoT systems using standard tools.

Upon completion of this course, participants will be able to:

- Describe concepts related to IoT communication
- Describe data collection methods by IoT devices
- Describe the process used by threat actors to attack IoT devices and services
- Describe methods for defending IoT systems

Target Audience

- Whole community; public, private, and non-profit
- IT and Security staff
- Non-technical leadership and staff roles
- State, local, tribal, and territorial government staff
- Anyone who desires to better understand the impact of IoT on their organization's security

Prerequisites

Participants with a basic understanding of computer networks and security will excel.

United States citizen, permanent resident, or prior approval is required to attend this class.

Required Materials

Participants are required to have a laptop computer that can access a public wifi connection.

For more information on how to register, visit:
nuari.org/ncpc-training-courses

For other inquiries, contact us at:
nuaritraining@nuari.org

Location:
3949 Diamond Head Rd
Honolulu, HI 96816
Building 306, Room 113

For more information about cybersecurity training through the NCPCC, visit NationalCPC.org



All NCPCC courses are certified and funded by the DHS Federal Emergency Management Agency.