



WASTC 2019 Faculty Development Weeks

## IoT Security, Instructor Training

Dates: In Person June 24 - 28, 2019 Coastline Community College, Garden Grove, CA

**Target Audience:** This course is for you if you are ...

- College/university faculty who teach networking, cybersecurity, IOT Fundamentals
- Looking to get certified as an instructor for the Cisco NetAcad course.

### Workshop Overview:

The IoT Security course teaches students “White Hat Hacker” skills to perform vulnerability and risk assessment, and research and recommend risk mitigation strategies for common security threats in IoT systems. These skills are highly relevant across IoT and other network architectures in order to discover cyber-security threats before the bad actors do

**Recommended Background:** The IoT Security course assumes students have completed IoT Connecting Things and have knowledge equivalent of Networking Academy courses: Networking Essentials and Cybersecurity Essentials.



**Instructor:** Kerry A. Bruce is a community college instructor and Raspberry Pi Certified Educator who teaches Computer Information Systems courses at Central New Mexico Community College in Albuquerque, NM. Kerry is also the founder and faculty adviser for the CNM HackerSpace, a collaborative space designed to foster creativity, experimentation, and discovery of any and all technology related interests the students may have. The CNM HackerSpace is home to many student opportunities to learn, including Raspberry Pi workshops, several robotics teams, Cyber Olympics, Gameathons, Open Source 3D Printing, supercomputing, plus PC building, networking and security. Additionally, Kerry has created and implemented a popular CIS course using the Raspberry Pi to teach the Internet of Things (IOT), Computer Science, and Computer Information

Systems concepts at the community college level. Starting this fall the course will be a required course in 2 CIS degrees at CNM. Kerry’s personal mission is to encourage and ignite the passion for learning through the acts of doing, tinkering, and making.



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