

Security+ and Beyond with Hands on Labs (ITIS-160)



WASTC 2017 Faculty Development Weeks

Dates: In Person, June 19-23, 2017 Cabrillo College, Aptos CA

Security+ and Beyond with Hands on Labs (ITIS-160): This hands-on class will prepare instructors to teach courses preparing students for the CompTIA Security+ certification, with in-depth coverage and experience with relevant lab content in Netlab. The textbook, CompTIA Security+ Guide to Network Security Fundamentals by Mark Ciampa 5th ed. Cengage Learning ISBN: 9781305093942, will be provided free of charge to each attendee (*limited to the first 20 registered*) at the start of the course.

CompTIA Security+ certification designates knowledgeable professionals in the field of security, one of the fastest-growing fields in IT. The Security+ exam covers the most important foundational principles for securing a network and managing risk. Access control, identity management and cryptography are important topics on the exam, as well as selection of appropriate mitigation and deterrent techniques to address network attacks and vulnerabilities. The course provides an introduction to the fundamentals of network security, including compliance and operational security; threats and vulnerabilities; application, data, and host security; access control and identity management; and cryptography. It also covers new topics in network security as well, including psychological approaches to social engineering attacks, Web application attacks, penetration testing, data loss prevention, cloud computing security, and application programming development security. Security concerns associated with cloud computing, BYOD and SCADA are addressed in the SY0-401 exam.

Instructor: Michael McKeever



Michael McKeever has been a full-time faculty member at Santa Rosa Junior College (SRJC) since 2001, when he was hired to build the college's Computer Networking program. Lead for the SRJC Cisco Networking Academy and international instructor, he also develops and teaches Computer Security, Client/Server and Forensics courses and ran his own Computer Forensics consulting business. In 2009, he taught the Cisco Security track at MPICT's Faculty Development Week. He led a similar track at the 2010 MPICT Faculty Development Week and in 2015 taught this Security+ course to faculty at MPICT's final event. Michael has been actively using CCC Confer for years and is considered a Blackboard Collaborate and Canvas teaching expert. He has a B.A. in Economics from U.C. Santa Barbara and spent 15 years in Audio/Video pre-, live, and post-production.

Sponsored by:



The Center for Cybersecurity Education