

Information Security Specialist

The Certificate of Competence in Information Security will introduce students to the essentials of computer security. They will perform basic ethical (white hat) hacking, and learn about the moral and legal issues that are involved while performing the learned techniques. Students will learn how to perform basic computer forensics such as operating system diagnostics, as well as to use a forensic toolkit to examine and validate computer activity. Students will acquire knowledge about the proper techniques for data collection, examination and preservation of forensic data.

Upon successful completion of this certificate, students will be able to:

- Create and implement security policies and procedures to aid in security administration
- Apply techniques involved with Ethical Hacking
- Aid in the collection, examination and preservation of data using proper computer forensics

Program: Information and Computer Science

Type: Certificate of Competence

Required Courses

See course descriptions for prerequisites.

| Item # | Title | Credits |
|---------------------------|-----------------------------------|----------|
| ICS 171 | Introduction to Computer Security | 3 |
| ICS 281 | Ethical Hacking | 3 |
| ICS 282 | Computer Forensics | 3 |
| Sub-Total Credits | | 9 |
| Total credits for degree: | | 9 |

Course Sequencing