

COMPUTER SCIENCE CYBER DEFENSE OSA

The Computer Science Cyber Defense Occupational Skill Award (OSA) will prepare students for information security analysts' careers that are heavily involved in the maintenance of an organization's IT cyber defense recovery plan including preventive measures such as regularly copying and transferring data to an offsite location. It also involves plans to restore proper IT functioning after a disaster. Analysts continually test the steps in their recovery plans. Information security analysts must stay up to date on IT security and on the latest methods attackers are using to infiltrate computer systems. Analysts need to research new security technology to decide what will most effectively protect their organization.

- Degree Type: None awarded
- All required courses available online
- TSI (<https://coursecatalog.tvcc.edu/admission-registration/testing/tsi-testing-requirements/>): not required
- Students may be eligible for the Ethical Hacker Associate exam at the completion of the OSA.

This OSA is not meant for transfer.

Professional certifications from CompTIA and Microsoft are world-recognized information technology credentials sought by IT professionals and are often specified as required by companies seeking qualified new hire candidates. Visit www.comptia.org (<http://www.comptia.org/>) and/or www.microsoft.com (<http://www.microsoft.com/>) for more information.

This OSA leads to the Fundamentals of Cyber Security Certificate.

Course	Title	Hours
Term One		
Spring Semester		
ITSC-1305	Introduction to PC Operating Systems	3
ITSY-2301	Firewalls and Network Security	3
ITSY-2342	Incident Response and Handling	3
ITSY-2330	Intrusion Detection	3
Hours		12
Total Hours		12

ITSY-2330 = Ethical Hacker Associate