

Week 22 Homework: Certification Prep

Overview

- This week, you learned about the growing demand for information security certifications and their role in qualifying and training for job opportunities.
- While Security+, CEH, and CISSP are some of the most popular certifications, there are many other information security certifications and courses that are available for free or have minimal fees.
- For this week's homework, you will complete one of these certifications.
- Once it is complete, you can add it to your LinkedIn and résumé.

List of Certifications

Review the below list of free and inexpensive certifications below. Select one certification from this list.

Cloud Certifications

- [Microsoft Azure Fundamentals](#)
 - Cost: Free training, free exam
- [AWS Security Fundamentals](#)
 - Cost: Free training, \$300 exam
- [Cloud Computing Basics](#)
 - Cost: Free training, free exam

Vulnerability Management

- [Qualys](#)

- Cost: Free training
- [Nessus](#)
 - Cost: Free training
 - Note: You will need to create an account and then search for the course in order to access the free training.

Vendor-Specific Certifications

- [Palo Alto Networks Certified Cybersecurity Associate \(PCCSA\)](#)
 - Cost: Free training, \$100 exam
 - [More information](#)

Homeland Security Cyber Courses

All of the following courses are free:

- The following courses are accessible through the following link: [Training Available Through CISA](#)
 - Attack Methodologies in IT & ICS (210W-9)
 - Industrial Control Systems Cybersecurity Landscape for Managers (FRE2115)
 - Cybersecurity within IT & ICS Domains (210W-4)

Instructions

1. After selecting a course of certification, research the topics that are covered.
2. If possible, complete the steps to acquire the certification. If you are unable to complete the certification before the due date, don't worry! You will still be able to complete this homework.
3. Complete either **Option 1** or **Option 2**.
 - **Option 1:** If you are able to complete your certification before the homework due date, submit a screen shot that shows proof of completion.
 - **Option 2:** You may be unable to complete your certification before the due date for a

number of reasons, such as:

- It takes longer than three hours to complete.
- Completion requires several courses.
- No formal certification is awarded.

If any of these are the case, complete three hours of training towards your selected certification and submit a one page summary that includes: - Certification title - Issuing organization - Description of certification - Why you are interested in this certification. - Summary of what was learned during your training.

Submission Guidelines

- **Option 1:** Submit a screen shot that shows proof of completion.
- **Option 2:** Submit a one page summary that includes:
 - Certification title
 - Issuing organization
 - Description of certification
 - Why you are interested in this certification.
 - Summary of what was learned during your training.