

## Work/Life Experience Portfolio

Approved by: Joseph Martinez

Last updated: 3/27/2025

ITSEC-194, Network Security Specialist, 1 CR

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### Work Life Experience Information

The Work and Life Experience Portfolio Evaluation lets students turn their real-world experience—whether from work, co-op education, or training—into college credit! Here are a few important things to keep in mind:

- Milwaukee Area Technical College will not award credit based solely on years of employment
- Experiences must be verifiable and demonstrate achievement of course competencies; determined by the Lead Faculty
- A [portfolio](#) must be submitted for each course you are requesting credit
- In addition to documentation, students may be asked to display specific skills and/or complete an interview to assess content knowledge

#### **Steps for Students to Begin:**

1. Select a [course \(see below\)](#) that matches your prior knowledge and skills
  2. Email [cple@matc.edu](mailto:cple@matc.edu) to initiate the process with:
    - a. Name
    - b. Student ID#
    - c. Course information (e.g., ENG-201)
  3. A CPLE Specialist will notify the student when the fee is posted
  4. Pay the [nonrefundable fee](#) and obtain a receipt using one of the following methods:
    - a. In person at any MATC cashier's office
    - b. Online via [Self-Service](#)
  5. Submit the completed portfolio and any other documents required to [cple@matc.edu](mailto:cple@matc.edu)
  6. CPLE Specialist reviews and submits the portfolio to lead faculty for evaluation
  7. After evaluation, the lead faculty will complete and submit the CPLE Request Form to [cple@matc.edu](mailto:cple@matc.edu), regardless of the outcome
  8. Next Steps:
    - **If the evaluation is approved**, credit(s) will be awarded, and the student's program plan will be updated
    - **If the evaluation is not approved**, students should consult their [Pathway Advisor](#) for further guidance
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### Course Information

1. **Course title, number & credit value:**
  - a. ITSEC-194, Network Security Specialist, 1 CR
2. **Course description:**
  - a. This course helps students gain in-demand skills. The course emphasizes real and hands-on experience in different areas of security such as Security Assessment, virtualization, log file consolidation, design and installation of security tools such as firewalls, IDSs, VPNs, and other existing or new

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technologies. Students are expected to simulate real scenarios for testing of their project.

**3. Students must demonstrate the course competencies by submitting: A Portfolio and any other artifacts required found below. \*Note for Resumes: Lead faculty must verify the student's work history via a letterhead mail or phone interview.**

- a. Life experience along with Manager feedback and reporting milestones

**4. Course Competencies that must be demonstrated:**

1. Analyze vulnerabilities of a given network and the devices and systems inside the network. Linked Career Essentials Effective Communication in Writing - Assess Assessment Strategies

1.1. Drawing/Illustration

1.2. Report

1.3. Oral Presentation Criteria Your performance will be successful when:

1.1. Learner provides a drawing of the layout of the network with the device and systems and ip addresses specifications.

1.2. Learner examines potential threats on network systems and its devices.

1.3. Learner achieves a minimum grade of 70% on assessments. Learning Objectives 1.a.

Document a complete network layout with all the required information such as ip addresses, subnets, DMZs, operation system versions, and the network device specifications.

1.b. Identify the vulnerabilities of the network and all of its components

2. Administer pen testing procedures on identified points of vulnerabilities. Linked Career Essentials Effective Communication Through Speaking and Listening - Assess Assessment Strategies

2.1. Demonstration

2.2. Report Criteria Your performance will be successful when:

2.1. Learner performs an analysis of vulnerabilities.

2.2. Learner evaluates pen-testing tools.

2.3. Learner applies pen-testing techniques.

2.4. Learner records pen-testing results.

2.5. Learner achieves a minimum grade of 70% on assessments. Learning Objectives

2.a. Identify the point of vulnerability testing.

2.b. Select the pen-testing tool according to the point of vulnerability test.

2.c. Perform the pen testing techniques.

2.d. Document the pen-testing findings.

3. Create a secure network. Linked Career Essentials Technological Competency - Assess Assessment Strategies

3.1. Demonstration

3.2. Report Criteria Your performance will be successful when:

3.1. Learner uses the proper pen-testing tool on the network based on course guidelines.

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3.2. Learner reports the results of pen-testing based on the course guidelines.

3.3. Learner achieves a minimum grade of 70% on assessments. Learning Objectives 3.a. Apply pen-testing tools to the network. 3.b. Document the results of pen-testing.

4. Administer a hacking scenario for the given network. Linked Career Essentials Effective Problem Solving - Assess Assessment Strategies 4.1. Report 4.2. Demonstration Criteria Your performance will be successful when:

4.1. Learner identifies the proper hacking scenario based on available exploits for the discovered vulnerabilities.

4.2. Learner replicates the hacking scenario for the network.

4.3. Learner reports the step-by-step process of hacking and exploitation.

4.4. Learner achieves a minimum grade of 70% on assessments. Learning Objectives

4.a. Identify the exploitation and corresponding scenario of hacking.

4.b. Perform the step-by-step process of hacking to exploit the target network resource.