



WISCONSIN  
INDIANHEAD  
TECHNICAL  
COLLEGE

# Experiential Learning Portfolio for 32451365 Broadband Telco Service 101

## Student Contact Information:

Name: \_\_\_\_\_ Student ID# \_\_\_\_\_

Email: \_\_\_\_\_ Phone: \_\_\_\_\_

*It is highly recommended that you speak with the Academic Dean or instructor who teaches this course prior to completing a portfolio.*

## Directions

Consider your prior work, military, volunteer, education, training and/or other life experiences as they relate to each competency and its learning objectives. Courses with competencies that include speeches, oral presentations, or skill demonstrations may require scheduling face-to-face sessions. You can complete all of your work within this document using the same font, following the template format.

1. Complete the Student Contact Information at the top of this page.
2. Write an Introduction to the portfolio. Briefly introduce yourself to the reviewer summarizing your experiences related to this course and your future goals.
3. Complete each "Describe your learning and experience with this competency" section in the space below each competency and its criteria and learning objectives. Focus on the following:
  - What did you learn?
  - How did you learn through your experience?
  - How has that learning impacted your work and/or life?
4. Compile all required and any suggested artifacts (documents and other products that demonstrate learning).
  - Label artifacts as noted in the competency
  - Scan paper artifacts
  - Provide links to video artifacts
  - Attach all artifacts to the end of the portfolio
5. Write a Conclusion for your portfolio. Briefly summarize how you have met the competencies.
6. Proofread. Overall appearance, organization, spelling, and grammar will be considered in the review of the portfolio.
7. Complete the Learning Source Table. Provide additional information on the business and industry, military, and/or volunteer experiences, training, and/or education or other prior learning you mentioned in your narrative for each competency on the Learning Source Table at the end of the portfolio. Complete this table as completely and accurately as possible.

The portfolio review process will begin when your completed portfolio and Credit for Prior Learning Form are submitted and nonrefundable processing fees are paid to your local Credit for Prior Learning contact. Contact Student Services for additional information.

Your portfolio will usually be evaluated within two weeks during the academic year; summer months may be an exception. You will receive an e-mail notification regarding the outcome of the portfolio review from the Credit for Prior Learning contact. NOTE: Submission of a portfolio does not guarantee that credit will be awarded.

You have 6 weeks to appeal any academic decision. See your student handbook for the complete process to appeal.

**To receive credit for this course, you must receive “Met” on 6 of the 7 competencies.**

### **32451365 Broadband Telco Service 101, 1 Technical Diploma Credit**

**Course Description:** This course will introduce the student to the basics of the telephone network portion of the broadband industry. Primary areas: the design of the cables physically and electrically and how to splice them using industry color code; print reading - construction drawing, system maps.

**Introduction:** **Briefly introduce yourself to the reviewer summarizing your experiences related to this course and your future goals.**

<p><b>Competency 1: Explore the evolution of POTS and Public Switch Telephone Network</b></p>
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<p>Criteria: Performance will be satisfactory when:</p>
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- |   |
|---|
| <ul style="list-style-type: none"><li>• learner explains Plain Old Telephone Service</li><li>• learner explains Public Switch Telephone Network</li><li>• learner outlines POTS and PSTN services</li></ul> |
|---|

<p>Learning Objectives:</p>
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- |  |
|--|
| <ul style="list-style-type: none"><li>a. Explain plain old telephone service network</li><li>b. Explain public switching telephone network</li></ul> |
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<p><b>Required Artifacts: None</b></p>
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<p><b>Suggested Artifacts: None</b></p>
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**Describe your learning and experience with this competency:**

**Met/ Not Met    Evaluator Feedback:**

**Competency 2: Compare outside plant copper cable characteristics**

Criteria: Performance will be satisfactory when:

- presentation describes buried cables characteristics
- presentation describes overhead cables characteristics
- presentation identifies quantity of pairs in a cable
- presentation identifies cable gauge
- presentation compares and contrasts buried and overhead cables

Learning Objectives:

- a. Differentiate between overhead and buried cables
- b. Identify quantity of cable pairs
- c. Identify cable gauge

**Required Artifacts: None**

**Suggested Artifacts: None**

**Describe your learning and experience with this competency:**

**Met/ Not Met    Evaluator Feedback:**

**Competency 3: Evaluate outside plant installation practices connecting the subscriber to the central office**

Criteria: Performance will be satisfactory when:

- presentation explains outside plant installation
- presentation describes splicing of individual conductors to industry standard color code
- presentation outlines outside plant subscriber loop network
- presentation defends selection of installation practices for a given scenario

Learning Objectives:

- a. Identify outside plant networks
- b. Outline installation process from central office to subscribers NID

**Required Artifacts: None**

**Suggested Artifacts: None**

**Describe your learning and experience with this competency:**

**Met/ Not Met    Evaluator Feedback:**

**Competency 4: Outline troubleshooting method of subscriber loop**

Criteria: Performance will be satisfactory when:

- presentation identifies outside plant faults
- presentation identifies troubleshooting techniques
- presentation identifies troubleshooting test equipment
- presentation explains how to test system to verify operation

Learning Objectives:

- a. Documentation of outside plant fault
- b. Explain troubleshooting method
- c. Rectify faults determined through troubleshooting techniques

**Required Artifacts: None**

**Suggested Artifacts: None**

**Describe your learning and experience with this competency:**

**Met/ Not Met    Evaluator Feedback:**

**Competency 5: Identify system maps and staking sheet**

Criteria: Performance will be satisfactory when:

- learner interprets map symbols
- learner interprets staking sheet symbols
- learner identifies cable footages
- learner identifies cable types

Learning Objectives:

- a. Identify map symbols and components
- b. Identify staking sheet symbols and components

**Required Artifacts: None**

**Suggested Artifacts: None**

**Describe your learning and experience with this competency:**

**Met/ Not Met    Evaluator Feedback:**

**Competency 6: Interpret Telco services**

Criteria: Performance will be satisfactory when:

- presentation explains available Telco services
- presentation analyzes packages available through various providers

Learning Objectives:

- a. Describe Telco services
- b. Characterize differences in Telco services

**Required Artifacts: None**

**Suggested Artifacts: None**

**Describe your learning and experience with this competency:**

**Met/ Not Met    Evaluator Feedback:**



**Competency 7: Apply business operation strategies**

Criteria: Performance will be satisfactory when:

- presentation identifies business operations processes
- presentation explains business operations categories

Learning Objectives:

- a. Identify Telco business operations
- b. Define business operations categories
- c. Characterize benefits of business operations strategies

**Required Artifacts: None**

**Suggested Artifacts: None**

**Describe your learning and experience with this competency:**

**Met/ Not Met    Evaluator Feedback:**

