



WISCONSIN  
INDIANHEAD  
TECHNICAL  
COLLEGE

# Experiential Learning Portfolio for 32451347 Construction Practices

## 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 5 of the 6 competencies.**

### **32451347 Construction Practices, 2 Technical Diploma Credits**

**Course Description:** This course introduces the student to the safe use and care of construction equipment such as climbing equipment (belt/climbers), lashing equipment, and vibratory/backhoe. It will familiarize the student with both aerial and buried construction specifications and practices used in the broadband industry in the placement of coaxial, twisted pair, and optic cables.

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

#### **Competency 1: Demonstrate safe working conditions on or around on-going construction**

Criteria: Performance will be satisfactory when:

- lab sheet identifies safety hazards that may prevent working on or around poles in a safe manner
- lab sheet includes examples of hazards that may appear from aerial worksites
- lab sheet includes examples of hazards of working in confined spaces
- lab sheet includes examples of hazards associated with underground worksites
- demonstration includes inspection of job site for safety hazards to you or others

- demonstration includes wearing PPE in required areas and situations
- demonstration includes safety considerations involved with each piece of heavy equipment in the work environment

Learning Objectives:

- a. Demonstrate appropriate safety standards to create a safe working environment
- b. Describe examples of possible hazards associated with working in construction environments

**Required Artifacts: None**

**Suggested Artifacts: None**

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

**Met/ Not Met    Evaluator Feedback:**

**Competency 2: Apply industry standards when placing/setting, inspecting, maintaining, or working on poles/pole lines**

Criteria: Performance will be satisfactory when:

- demonstration includes pre-climb inspection
- demonstration includes proper use of pole climbing gear
- demonstration includes proper pole climbing technique
- demonstration includes safely ascending / descending pole to strand height
- demonstration includes turn on pole using correct technique
- demonstration includes proper use of cynch-lok gear
- demonstration includes correctly setting up ladder against the pole for maintenance work
- demonstration includes ladder set up against the strand for maintenance work

Learning Objectives:

- a. Demonstrate appropriate standards and safety procedures while maintaining pole/pole lines
- b. Demonstrate appropriate standards and safety procedures while using ladders against poles and strand

**Required Artifacts: None**

**Suggested Artifacts: None**

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

**Met/ Not Met    Evaluator Feedback:**

**Competency 3: Install aerial and buried cables using techniques, hardware, and terminals according to industry standards**

Criteria: Performance will be satisfactory when:

- learner demonstrates proper use of enclosures using system maps and staking sheets
- learner interprets cable types
- learner preps cables
- learner demonstrates industry standard enclosure installation
- learner labels enclosure project according to industry standard
- learner follows industry color code
- learner grounds enclosure project according to industry standard
- learner verifies splice cable count
- learner weatherproof splice enclosure project

Learning Objectives:

- a. Demonstrate installation of aerial cables and associated hardware/terminals
- b. Demonstrate installation of buried cables and associated hardware/terminals

**Required Artifacts: None**

**Suggested Artifacts: None**

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

**Met/ Not Met    Evaluator Feedback:**

**Competency 4: Operate equipment for installation of aerial and buried cables**

Criteria: Performance will be satisfactory when:

- demonstration includes following rules of circle of safety
- demonstration includes assigning safety responsibility to team members
- demonstration includes trencher operation for the placement of buried cable at correct depth
- demonstration includes participation in all positions of backhoe team to plow underground cable
- demonstration includes operation of backhoe to dig holes for pedestal installation
- demonstration includes operation of backhoe to properly set telephone pole

Learning Objectives:

- a. Demonstrate proper operation of the backhoe
- b. Demonstrate proper operation of the trencher

**Required Artifacts: None**

**Suggested Artifacts: None**

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

**Met/ Not Met    Evaluator Feedback:**

**Competency 5: Identify industry specifications appropriate for placement of cables**

Criteria: Performance will be satisfactory when:

- lab sheet includes identification of broadband symbols and map legend
- lab sheet includes clearance specifications set by CATV industry when placing cables
- lab sheet includes rules to follow regarding installations on private property
- lab sheet includes rules to follow regarding installations on public land
- lab sheet includes when it is necessary to include lightning arrestors on installations
- lab sheet includes where lightning arrestor should be located for examples given
- lab sheet includes GIS/GPS mapping

Learning Objectives:

- a. Explain appropriate specifications for placement of cables on public and private rights of way, according to industry standards
- b. Describe conditions requiring use of lightning arrestors on cable installs

**Required Artifacts: None**

**Suggested Artifacts: None**

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

**Met/ Not Met    Evaluator Feedback:**

**Competency 6: Locate buried cable**

Criteria: Performance will be satisfactory when:

- demonstration includes correct frequency selection for locating specified cable
- demonstration includes appropriate method of locating for cable to be found
- demonstration includes correctly locating power cable
- demonstration includes correctly marking path of buried cable
- demonstration includes grounding transmitter properly
- demonstration includes adjustment of amplitude of signal to proper level
- demonstration includes use of staking sheet to identify cable location

Learning Objectives:

- a. Explain the color code associated with cable locating
- b. Correctly identify buried cables

**Required Artifacts: None**

**Suggested Artifacts: None**

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

**Met/ Not Met    Evaluator Feedback:**



