

Clackamas Community College

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Section #1 General Course Information**Department:**Apprenticeship**Submitter**

First Name: Shelly

Last Name: Tracy

Phone: 0945

Email: shellyt

Course Prefix and Number:APR - 110UM**# Credits:**4**Contact hours**

Lecture (# of hours):

Lec/lab (# of hours): 80

Lab (# of hours):

Total course hours: 80

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title:Initial Meterman Training**Course Description:**

This course is designed to instruct Meterman Apprentice Candidates on understanding the basic functions of a Meterman Journeyman.

Type of Course:Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s):Electrical Apprenticeship AAS

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit:No

When do you plan to offer this course?

✓ Not every term

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. identify meter services personnel,
2. utilize proper documentation and electronic record keeping,
3. navigate the meter shop, warehouse, instrument lab and other offices;
4. state the importance of PPE, FR clothing, harness safety and general safety rules around meter shop activities;
5. cite the different types of daily work calls that include: high bills, wire jobs, checkouts, new installs, meter exchanges and the responsibility of vehicle safety while on the job;
6. identify various work groups including: NDO, ERU, Customer Service, Line Crew, SDPM's, System Engineers, Special Testers and Meter Relay personnel;
7. apply computer applications used by the Meterman: TIVO, Fieldview, Service Link-Mobile Tool, where to find job assignment tasks, meter software, and wireless communication with NDO – data collection;
8. describe general concepts of how to install, test, repair and maintain all types, sizes and voltages of alternating current meters;
9. summarize how to perform meter shop activities including operating all test equipment, refurbishing all alternating current meters, programming, software interface with electronic meters and meter database support;
10. locate and maintain meter stock,
11. explain the concept of how to wire up and install current, potential, and special metering jobs, and test and repair power and demand meters;
12. describe how to do distribution testing when called to investigate customers' complaints regarding voltage fluctuations, high bills etc., demonstrate excellent customer service skills when discussing the results of the investigation with the customer;
13. present themselves in a professional manner when meeting with customers and other members of the public and discuss matters such as meter accuracy and energy usage information.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Meter Services Personnel.
2. Documentation and electronic record keeping.
3. Tour of the Meter shop, Warehouse, Instrument Lab and other offices.
4. Introduction to: NDO, ERU, Customer Service, Line Crew, SDPM's, System Engineers, Special Testers and Meter Relay personnel.
5. Computer applications used by Meterman.
6. How to maintain meter stock.
7. Distribution testing.
8. The importance of meeting with customers and other members of the public.

Does the content of this class relate to job skills in any of the following areas:

- | | |
|--------------------------------------|-----------|
| 1. Increased energy efficiency | No |
| 2. Produce renewable energy | No |
| 3. Prevent environmental degradation | No |
| 4. Clean up natural environment | No |
| 5. Supports green services | No |

Percent of course:0%

First term to be offered:

Next available term after approval

:
