

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 - 117UM**# Credits:**2**Contact hours**

Lecture (# of hours):

Lec/lab (# of hours): 40

Lab (# of hours):

Total course hours: 40

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:Special Tester Overview**Course Description:**

Apprentices will experience the daily duties of Special Testers as they do power quality testing and troubleshooting. They will learn what computer skills and applications are required, and meet the many work groups that Special Testers come in contact with.

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. explain why Special Testers review prior days work with information sharing between the testers,
2. give examples of how to perform power quality tests, troubleshooting, interpret results and make recommendations on repairs;
3. explain why Special Testers have to be willing and able to work at remote temporary location assignments including nights, weekends, callouts including storms and holidays;
4. explain the importance of working without direct supervision at remote locations away from headquarters with accountability to produce to all expectations, both in quality and quantity;
5. name the different work groups Special Testers are in contact with: Engineers, Repair, Key Customer Group, Line Crews, Dispatch, System Control, Power Quality and Service Design;
6. cite how Special Testers locate power quality issues; underground faults, cable fault, proof test new installs/feeders, locating power lines and the equipment used on different job sites;
7. name the different computer and specific applications used by Special Testers on a daily basis for different equipment such as: OMS, TIVO, Service Link, Transformer, PIE, etc.;
8. explain how infrared equipment is used by Special Testers and which applications it is best suited for.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Reviewing prior days work.
2. Power quality testing/troubleshooting.
3. Working in remote locations and on callouts.
4. Special Testers are in contact with multiple groups.
5. Computer skills and specific applications with equipment used.
6. Infrared equipment.

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

:
