

**Clackamas Community College**

## Online Course/Outline Submission System

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Show changes since last approval in red

ERM-100 Introduction to Utility Industry and Career Options

General education certified:  Yes  **No**

- Writing  
 Oral Communication  
 Arts and Letters  
 Science & Computer Science  
 Mathematics  
 Social Science  
 Cultural Literacy  
 Health & Physical Education

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Approved Date (mm/dd/yyyy):  /  /

**Section #1 General Course Information**

**Department:** Energy & Utility Resource Management

**Submitter**

First Name: Shelly  
Last Name: Tracy  
Phone: 0945  
Email: shellyt

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**Course Prefix and Number:** ERM - 100

**# Credits:** 3

**Contact hours**

Lecture (# of hours): 33  
Lec/lab (# of hours):  
Lab (# of hours):  
Total course hours: 33

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.

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**Course Title:** Introduction to Utility Industry and Career Options

**Course Description:**

Overview of the energy and utility industries and the career options offered. Through research, students will discover and report on career options in the energy and utility resource industries.

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**Type of Course:** Career Technical Preparatory

Is this class challengeable?

**Yes**

Can this course be repeated for credit in a degree?

**No**

Is general education certification being sought at this time?

**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):** Energy & Resource Management one year certificate and AAS, Utility Workforce Readiness Career Pathway Cert, Utility Trade Prep: Lineworker Pathway Cert, Utility Field Technician Pathway Cert, Occupational Health and Safety Pathway Cert.

Are there prerequisites to this course?

**Yes**

**Pre-reqs:** Pass RD-090 with a C or better or placement in RD-115; pass MTH-060 with a C or better or placement in MTH-065; pass WR-095 with a C or better or placement in WR-121; pass CS-090 with a C or better or placement in CS-120.

**Have you consulted with the appropriate chair if the pre-req is in another program?**

**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?

**Yes**

**Have you talked with a librarian regarding that impact?**

**Yes (A 'Yes' certifies you have talked with the librarian and have received approval.)\***

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: Yes**

When do you plan to offer this course?

**✓ Fall**

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?

**Yes**

Will this course appear in the schedule?

**Yes**

Student Learning Outcomes:

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

1. recognize and describe a variety of job and career opportunities within the energy and utility industry,
2. define industry-specific terminology,
3. demonstrate knowledge of different energy and utility sources, generation and distribution;
4. identify specific areas of interest and ability within the utility industry,
5. debrief and disseminate observations and experiences.

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***This course does not include assessable General Education outcomes.***

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**Major Topic Outline:**

1. Energy and utility types.
2. Basic generation and distribution processes.
3. Various utility industry positions and their roles and responsibilities.
4. Employer expectations – soft and hard skills.
5. Communicate knowledge.
6. Critical thinking, reasoning, and deduction.

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

- |                                      |            |
|--------------------------------------|------------|
| 1. Increased energy efficiency       | <b>Yes</b> |
| 2. Produce renewable energy          | <b>Yes</b> |
| 3. Prevent environmental degradation | <b>Yes</b> |
| 4. Clean up natural environment      | <b>Yes</b> |
| 5. Supports green services           | <b>Yes</b> |

Percent of course: 60%

**First term to be offered:****Next available term after approval**

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