

1. Course Title Change

Course Number	Former Title	New Title
PS-203	US Government: State & Local Institutions	State and Local Governments

2. Course Hours Change

Course Number	Title	Change

3. Course Number Change

Course Number	Title	New Course Number

4. Outlines Reviewed for Approval

Course Number	Title	Implementation
PS-203	State and Local Governments	2019/SU
PS-204	Introduction to Comparative Politics	2019/SU
PS-205	International Relations	2019/SU

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: Social Sciences

Submitter

First Name: **James**
Last Name: **Hite**
Phone: **6121**
Email: **jhite@clackamas.edu**

Course Prefix and Number: PS - 203

Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

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: **State and Local Governments**

Course Description:

Introduces students to state and local governments in the United States, with an emphasis on Oregon politics at the state and local level. Assesses the structure, functions, and processes of state, county, and municipal governments, as well as the role of the legislative, executive, and judicial branches of government and the separation of powers at the state level. In addition, examines the role of political parties, elections, and the public policy process at the state and local level.

Type of Course: Lower Division Collegiate

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?

Yes

Check which General Education requirement:

Social Science

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

No

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?

Yes

Recommendations: WRD-090 or placement in WRD-098

Requirements:

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 or Pass/No Pass

Audit: Yes

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?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1. describe the system of federalism, as well as the advantages and disadvantages of federalism; (CL1) (SS1) (SS2)
 2. compare and contrast state constitutions with the U.S. Constitution; (SS1) (SS2)
 3. describe the referendum and initiative process; (SS1) (SS2)
 4. identify the functions of state legislatures; (SS1) (SS2)
 5. identify the elected state executives and the functions of each office; (SS1) (SS2)
 6. discuss the functions of state and local judiciary. (SS1) (SS2)
-

COURSE OUTLINE MAPPING CHART

Mark outcomes addressed by the course:

- Mark "C" if this course completely addresses the outcome. Students who successfully complete this course are likely to have attained this learning outcome.
- Mark "S" if this course substantially addresses the outcome. More than one course is required for the outcome to be completely addressed. Students who successfully complete all of the required courses are likely to have attained this learning outcome.
- Mark "P" if this course partially addresses the outcome. Students will have been exposed to the outcome as part of the class, but the class is not a primary means for attaining the outcome and assessment for general education purposes may not be necessary.

As a result of completing the AAOT/ASOT general education requirements, students will be able to:**WR: Writing Outcomes**

1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.
2. Locate, evaluate, and ethically utilize information to communicate effectively.
3. Demonstrate appropriate reasoning in response to complex issues.

SP: Speech/Oral Communication Outcomes

1. Engage in ethical communication processes that accomplish goals.
2. Respond to the needs of diverse audiences and contexts.
3. Build and manage relationships.

MA: Mathematics Outcomes:

1. Use appropriate mathematics to solve problems.
2. Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

AL: Arts and Letters Outcomes

1. Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life.
2. Critically analyze values and ethics within range of human experience and expression to engage more fully in local and global issues.

SS: Social Science Outcomes

- C** 1. Apply analytical skills to social phenomena in order to understand human behavior.
- C** 2. Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

SC: Science or Computer Science Outcomes

1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.
2. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically examine the influence of scientific and technical knowledge on human society and the environment.
3. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

CL: Cultural Literacy Outcome

- P** 1. Identify and analyze complex practices, values, and beliefs and the culturally and historically defined meanings of difference.

Outcomes Assessment Strategies:

- ✓ **Projects**
- ✓ **Writing Assignments**
- ✓ **Multiple Choice Test**

:

Major Topic Outline:

1. Functions and principles of state constitutions.
2. Federalism.
3. Principal functions of the three branches of state government.
4. Introduction of the referendum and initiative process.
5. Voting and elections at the state and local level.
6. Political parties, interest groups and the media at the state and local level.

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%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

- PSU (Portland State University)
- OSU (Oregon State University)
- OSU-Cascade
- UO (University of Oregon)
- WOU (Western Oregon University)

Identify comparable course(s) at OUS school(s)

How does it transfer? (Check all that apply)

- required or support for major
- general education or distribution requirement
- general elective

Provide evidence of transferability: (minimum one, more preferred)

Other. Please explain.

Catalog comparison.

First term to be offered:

Next available term after approval

:

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: Social Sciences

Submitter

First Name: **James**
Last Name: **Hite**
Phone: **6121**
Email: **jhite@clackamas.edu**

Course Prefix and Number: PS - 204

Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

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: Introduction to Comparative Politics

Course Description:

Explores the various ideologies, institutions, and processes that constitute the nation-states that make up the world political system. Introduces students to the comparative method of political science. Assesses the fundamental differences between presidential and parliamentary systems, and the various political systems and governments around the world within the context of current world politics. In addition, examines the creation, the role, and the development of political and government institutions from a comparative perspective.

Type of Course: Lower Division Collegiate

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?

Yes

Check which General Education requirement:

Social Science

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

No

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?

Yes

Recommendations: WRD-090 or placement in WRD-098

Requirements:

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 or Pass/No Pass

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?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1. apply the comparative method of political science; (SS2)
 2. identify and assess the development of political institutions; (SS1) (SS2)
 3. identify the ways in which executive, legislative, and judicial institutions function within various nation-states; (SS1) (SS2)
 4. compare and contrast presidential, parliamentary, and hybrid systems and the ways in which each of the types of systems functions; (SS2)
 5. identify key political and government actors and institutions operating around the world today; (SS2)
 6. compare and contrast the ways in which various political systems and government institutions function around the world. (SS1) (SS2)
-

COURSE OUTLINE MAPPING CHART

Mark outcomes addressed by the course:

- Mark "C" if this course completely addresses the outcome. Students who successfully complete this course are likely to have attained this learning outcome.
- Mark "S" if this course substantially addresses the outcome. More than one course is required for the outcome to be completely addressed. Students who successfully complete all of the required courses are likely to have attained this learning outcome.
- Mark "P" if this course partially addresses the outcome. Students will have been exposed to the outcome as part of the class, but the class is not a primary means for attaining the outcome and assessment for general education purposes may not be necessary.

As a result of completing the AAOT/ASOT general education requirements, students will be able to:**WR: Writing Outcomes**

1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.
 2. Locate, evaluate, and ethically utilize information to communicate effectively.
- P** 3. Demonstrate appropriate reasoning in response to complex issues.

SP: Speech/Oral Communication Outcomes

1. Engage in ethical communication processes that accomplish goals.
2. Respond to the needs of diverse audiences and contexts.
3. Build and manage relationships.

MA: Mathematics Outcomes:

1. Use appropriate mathematics to solve problems.
2. Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

AL: Arts and Letters Outcomes

1. Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life.
- S** 2. Critically analyze values and ethics within range of human experience and expression to engage more fully in local and global issues.

SS: Social Science Outcomes

- S** 1. Apply analytical skills to social phenomena in order to understand human behavior.
- S** 2. Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

SC: Science or Computer Science Outcomes

1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.
2. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically examine the influence of scientific and technical knowledge on human society and the environment.
3. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

CL: Cultural Literacy Outcome

1. Identify and analyze complex practices, values, and beliefs and the culturally and historically defined meanings of difference.

Outcomes Assessment Strategies:

- | | |
|------------------------------|-------------------------------|
| ✓ General Examination | ✓ Projects |
| ✓ Presentations | ✓ Writing Assignments |
| | ✓ Multiple Choice Test |

:

Major Topic Outline:

1. **Constitutions, Institutions, and Political Systems.**
2. **Presidential, Parliamentary, and Hybrid Systems.**
3. **Power in Politics.**
4. **Politics and Political Systems Around the World.**
5. **Current World Politics.**

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%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

- PSU (Portland State University)
- SOU (Southern Oregon University)
- OSU (Oregon State University)
- UO (University of Oregon)
- OSU-Cascade
- WOU (Western Oregon University)

Identify comparable course(s) at OUS school(s)

How does it transfer? (Check all that apply)

- required or support for major
- general education or distribution requirement
- general elective
- :

Provide evidence of transferability: (minimum one, more preferred)

- Other. Please explain.

Catalog review and online transfer service.

First term to be offered:

Next available term after approval

:

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: Social Sciences

Submitter

First Name: **James**
Last Name: **Hite**
Phone: **6121**
Email: **jhite@clackamas.edu**

Course Prefix and Number: PS - 205

Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

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: International Relations

Course Description:

Introduces theoretical and methodological tools for the analysis of contemporary world politics. Explores international relations by examining the institutions that constitute the international system. In addition, examines international institutions and nation-state behavior and surveys foreign policy models, diplomacy, peacekeeping and terrorism.

Type of Course: Lower Division Collegiate

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?

Yes

Check which General Education requirement:

Social Science

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

No

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?

Yes

Recommendations: WRD-090 or placement in WRD-098

Requirements:

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 or Pass/No Pass

Audit: Yes

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?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1. discuss "systems analysis" as applied to international relations; (SS1) (SS2)
 2. identify the principal political actors and institutions in international relations, including IGO's and NGO's; (CL1) (SS1) (SS2)
 3. discuss the history and main causes of regional conflict and cooperation; (CL1) (SS1) (SS2)
 4. describe the way in which various nation-states and alliances interact in the international system;
 5. discuss the significance of the United States on the world stage.
-

COURSE OUTLINE MAPPING CHART

Mark outcomes addressed by the course:

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As a result of completing the AAOT/ASOT general education requirements, students will be able to:**WR: Writing Outcomes**

1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.
2. Locate, evaluate, and ethically utilize information to communicate effectively.
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SP: Speech/Oral Communication Outcomes

1. Engage in ethical communication processes that accomplish goals.
2. Respond to the needs of diverse audiences and contexts.
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1. Use appropriate mathematics to solve problems.
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AL: Arts and Letters Outcomes

1. Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life.
2. Critically analyze values and ethics within range of human experience and expression to engage more fully in local and global issues.

SS: Social Science Outcomes

- C** 1. Apply analytical skills to social phenomena in order to understand human behavior.
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1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.
2. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically examine the influence of scientific and technical knowledge on human society and the environment.
3. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

CL: Cultural Literacy Outcome

- P** 1. Identify and analyze complex practices, values, and beliefs and the culturally and historically defined meanings of difference.

Outcomes Assessment Strategies:

- ✓ **General Examination**
- ✓ **Projects**
- ✓ **Writing Assignments**
- ✓ **Multiple Choice Test**

:

Major Topic Outline:

1. Introduction to International Relations Theories.
2. International Governmental Institutions (IGO's) and Nongovernmental Organizations (NGO's).
3. Human and Economic Security
4. Global Environmental Issues.
5. Conflict, War, and Terrorism.
6. Globalization and International Relations.

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**



Program Learning Outcomes

April 5, 2019 (8-9:30am, CC127)

Program
Geographic Information Systems (GIS) Technology CC

Geographic Information Systems (GIS) Technology CC

Old	New
<p data-bbox="107 280 1035 358">Upon successful completion of this program, students should be able to:</p> <ul data-bbox="155 418 1035 1140" style="list-style-type: none"><li data-bbox="155 418 1035 496">• apply geographic knowledge and GIS software techniques to create high quality digital maps;<li data-bbox="155 597 1035 675">• create and design advanced geodatabases from original and proprietary sources for use in GIS projects;<li data-bbox="155 735 1035 862">• apply programming and geoprocessing tools to automate the capture, analysis and reporting of GIS data;<li data-bbox="155 922 1035 1000">• analyze and interpret GIS data from remote sources including LIDAR and GPS signals;<li data-bbox="155 1060 1035 1140">• capture and transform data to GIS format from a variety of vector and raster sources.	<p data-bbox="1056 280 1992 358">Upon successful completion of this program, students should be able to:</p> <ul data-bbox="1104 418 1992 1140" style="list-style-type: none"><li data-bbox="1104 418 1992 545">• apply geographic knowledge and GIS software techniques to create high quality analysis, data, applications, and maps;<li data-bbox="1104 597 1992 638">• design and create geodatabases;<li data-bbox="1104 735 1992 813">• automate geoprocessing tools to manipulate, generate, display, and analyze GIS data;<li data-bbox="1104 922 1992 1000">• analyze and interpret remotely sensed data including aerial and satellite imagery, LIDAR and GPS data;<li data-bbox="1104 1060 1992 1140">• apply programming skills to create and customize applications and tools.

April 5, 2019 (8-9:30am, CC127)

Course Number	Title	Implementation
APR-107PB	Plumbing ADA	2019/SU

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Date approved: December 7, 2018 Certified General Education Area(s): None

Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Mike
Last Name: Ditty
Phone: 3031
Email: miked

Course Prefix and Number: APR - 107PB

Credits: 1

Contact hours

Lecture (# of hours): 15
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 15

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: Plumbing ADA

Course Description:

Gives the apprentice a better understanding of the importance of proper rough-in for plumbing fixtures. Students will compare the differences between a standard bathroom layout and rough-in to a fully functional ADA approved facility.

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): AAS.CONSTRUCTPB, CC.CONSTRUCTPB

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?

Yes

Recommendations:

Requirements: Acceptance into Apprenticeship related training program

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?

✓ 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. demonstrate safe working practices including rigging and lock out tag out in accordance with state and federal regulations;
2. apply OSHA practices in relationship to the specific trade;
3. apply theory as it relates to trade competencies;
4. utilize recognized standard building codes guideline as applicable.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Course introduction; Laws and codes regulating ADA requirements.
2. Wheelchairs and Biometrics; reach-side and front; clear paths and obstructions; test on Laws and Code relative to ADA regulation.
3. Fixture installations; test on Biometrics.
4. Fixture installations & controls.
5. Fixture installations; test on fixture installations.

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

:



New Courses

April 5, 2019 (8-9:30am, CC127)

Course Number	Title	Implementation
APR-109PB	Plumbing Conservation Systems	2019/SU
MFG-102	Makerspace: An Introduction to Digital Manufacturing	2019/SU

Clackamas Community College
Online Course/Outline Submission System

Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Mike
Last Name: Ditty
Phone: 503-740-9787
Email: miked@clackamas.edu

Course Prefix and Number: APR - 109PB

Credits: 1

Contact hours

Lecture (# of hours): 15
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 15

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: Plumbing Conservation Systems

Course Description:

This course introduces the student to the different plumbing systems in use today that reflect new technology and methods which conserve our natural resources. Solar Energy, Rainwater Harvesting, Reclaimed Water Systems, Vacuum and other minimum water consumptions systems.

Type of Course: Career Technical Apprenticeship

Reason for the new course:

Updated curriculum to mirror industry demand.

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): AAS.CONSTRUCTPB, CC.CONSTRUCTPB

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?

Yes

Recommendations: Student must be a currently registered Plumbing Apprentice with Area I, Joint Apprenticeship Training Committee

Requirements:

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?

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?

- ✓ **Fall**
- ✓ **Winter**
- ✓ **Spring**

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 Plumbing Systems that conserve natural resources and where they can be utilized,
2. read and interpret available technologies and trade blueprints and specifications to install conservation systems and their component parts safely,
3. develop skills applying industry standards and State Plumbing Code to conservation systems,
4. demonstrate proper application of Plumbing Codes and mathematics needed to size pipes, appurtenances and tanks in conservation systems;
5. identify potential dangers using non-potable water systems and how to prevent accidental cross-contamination,
6. analyze data calculating quantity and category of resources conserved,
7. demonstrate ability to determine where conservation systems can best be applied and which plumbing fixtures can be employed.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Water conserving plumbing fixtures
2. Reclaimed water systems and use
3. Rainwater Harvesting Systems
4. Vacuum Waste and other non-water Systems
5. Solar Thermal Systems

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

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

Percent of course: 100%

First term to be offered:

Next available term after approval
:

Clackamas Community College
Online Course/Outline Submission System

Published Requests

MFG-102 Makerspace: An Introduction to Digital Manufacturing

General education certified: Yes No

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

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

Section #1 General Course Information

Department: Manufacturing

Submitter

First Name: Jaime
Last Name: Clarke
Phone: 3220
Email: jaimec@clackamas.edu

Course Prefix and Number: MFG - 102

Credits: 1

Contact hours

Lecture (# of hours):
Lec/lab (# of hours): 22
Lab (# of hours):
Total course hours: 22

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: Makerspace: An Introduction to Digital Manufacturing

Course Description:

This course introduces students to aspects of digital design and manufacturing through the use of sophisticated modeling software; 3-D printing, laser cutting and scanning; and CNC machining. Students will complete a series of hands-on projects that require imagination and determination while learning solid workmanship principles.

Type of Course: Career Technical Supplementary

Reason for the new course:

With the construction of the Industrial Technology Center (ITC), we now have a makerspace for students to use. This course serves as an introduction to the space.

Can this course be repeated for credit in a degree?

No

What is the target audience/industry for this class?

Manufacturing students

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 or Pass/No Pass

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?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1. prepare a sketch of a manufactured object on paper and then model in a CAD system;
2. work safely around power tools;
3. develop and manufacture a product with technologies that include 3-D printers, laser cutters and CNC milling machines;
4. reverse engineer an existing machine element to modify its features and accurately remanufacture it;
5. perform accurate measurements with the use of precision tools.

This course does not include assessable General Education outcomes.

Major Topic Outline:

- 1) Shop safety
- 2) Sketching and precision measurement
- 3) CAD system introduction
- 4) 3-D printing
- 5) Laser cutting
- 6) CNC setup and operation
- 7) CNC programming with a CAM system

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:

Specify term: Summer 2019

Program
Construction Trades, General Apprenticeship AAS
Construction Trades, General Apprenticeship CC
Electrician Apprenticeship Technologies AAS
Electrician Apprenticeship Technologies CC
AS Engineering - PSU Civil/Environmental
AS English – U of O
Early Childhood Education & Family Studies AAS



COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

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This form should be completed electronically and the boxes will expand to accommodate text.

Current instructions, forms, handouts and other useful resources are located at

<http://www.ode.state.or.us/search/results/?id=231>

College:	Clackamas Community College	Date	
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CAREER LEARNING AREA	
<input type="checkbox"/> Ag, Food & Natural Resource Systems	<input type="checkbox"/> Health Services
<input type="checkbox"/> Arts, Information & Communications	<input type="checkbox"/> Human Resources
<input type="checkbox"/> Business & Management	<input checked="" type="checkbox"/> Industrial & Engineering Systems

PROGRAM INFORMATION					
<u>APPROVED</u> Program Title <small>(For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)</small>	<u>APPROVED</u> CIP Code <small>(Include 7th & 8th digits used for OCCURS reporting.)</small>			<u>APPROVED</u> Recognition Award	Current Credits
	<u>6-digit CIP</u>	<u>7th digit</u>	<u>8th digit</u>		
Parent Program Construction Trades, General Apprenticeship	46.0000	N	*	<input type="checkbox"/> Statewide AAS (90-108 credits)	90
Apprenticeship Areas: Plumber (PB) Painter (PT)				<input type="checkbox"/>	
Related Certificates: Construction Trades, General Apprenticeship SCC1 Manual Trades Apprenticeship SCC Manual Apprenticeship Trades SCPC				<input type="checkbox"/>	

**Enter name of base degree in 'AAS Title' box

TYPE OF PROGRAM AMENDMENT <small>(Check ALL That Apply)</small>			
New Program++	Curriculum Revision	<input type="checkbox"/> Revision in Program Credits	
Title Change for Program		Proposed Total Credits:	90-95
Proposed AAS Title:			
Proposed OPTION Title:			
Proposed Certificate Title:			
<input type="checkbox"/> SUSPENSION of Program	<i>Reason for Suspension:</i>		
Suspension Effective Date:			


++If new program is an additional award for an existing degree or certificate, complete 'Program Information' section for existing program.

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

<i>CURRENT CURRICULUM 18-19</i>				<i>PROPOSED CURRICULUM 19-20</i>			
[List entire curriculum as last approved]				[List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
APR000	Apprenticeship Credit for Prior Certification		22				
APR1000	Computation Related Instruction		3	MTH-065 Or higher	Algebra II Or higher	44	4-5
APR2000	Communication Related Instruction		3	APR2000	Communication Related Instruction		3-4
APR3000	Human Relations Related Instruction		3	APR3000	Human Relations Related Instruction		3-4
PEHREQ000	PE/Health Related Instruction		1	PEHREQ000	PE/Health Related Instruction		1-3
APRPB000	Apprenticeship-Plumber (PB) SAAS		57				
APR-107PB	Plumbing ADA	15	1	REMOVE			
APR-117PB	Plumbing Basic Trade & Code	33	3				
APR-127PB	Plumbing Fittings & Materials	33	3				
APR-137PB	Plumbing Basic Installation & ISO	33	3				
APR-147PB	Plumbing Math	33	3				
APR-157PB	Plumbing Pipe Sizing & Advanced Math	33	3				
APR-167PB	Plumbing Welding and Print Reading	33	3				
APR-177PB	Plumbing Related Science	33	3				
APR-187PB	Plumbing Related Codes	33	3				
APR-197PB	Plumbing Backflow Prevention	20	1				
APR-205PB	Service Plumbing	33	3				
APR-206PB	Plumbing Gas & Electric	20	1				
APR-217PB	Advanced Plumbing Installation	33	3				
APR-227PB	Plumbing Gas Venting & Drains	33	3				
APR-237PB	Plumbing Water Heater & Circuit Controls	33	3				
APR-247PB	Advanced Plumbing Code I	33	3				
APR-257PB	Advanced Plumbing Code II	33	3				
APR-267PB	Advanced Plumbing Code III	33	3				
APR-276PB	Plumbing Review I	33	3				
APR-277PB	Plumbing Review II	33	3				
APR-287PB	Plumbing Review III	33	3				
				APR-109PB	Plumbing Conservation Systems	15	1
APRPT000	Apprenticeship-Painter (PT)		18				
--	Painter (PT) Electives		39-34				
APR-119PT	Basic Trade & Safety	33	2				
APR-129PT	Basic Surface & Preparation	33	2				
APR-139PT	Hand & Mechanical Cleaning	33	2				
APR-149PT	Basic Applications	33	2				
APR-159PT	Basic Covering & Problem Solving	33	2				
APR-169PT	Advanced Coating	33	2				
APR-219PT	Advanced Graphics & Texturing	33	2				

APR-229PT	Advanced Techniques	33	2				
APR-239PT	Advanced Estimating & Codes	33	2				
TOTAL CURRENT CREDITS:				TOTAL PROPOSED CREDITS:			90-95

College Contact	Shelly Tracy	Telephone No.	
E-Mail Address		Fax No.	
Chief Academic Officer or PTE Dean Signature		Date	4/3/19

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College:	Clackamas Community College	Date:	
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CAREER LEARNING AREA	
<input type="checkbox"/> Ag, Food & Natural Resource Systems	<input type="checkbox"/> Health Services
<input type="checkbox"/> Arts, Information & Communications	<input type="checkbox"/> Human Resources
<input type="checkbox"/> Business & Management	<input checked="" type="checkbox"/> Industrial & Engineering Systems

PROGRAM INFORMATION					
<u>APPROVED</u> Program Title <small>(For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)</small>	<u>APPROVED</u> CIP Code <small>(Include 7th & 8th digits used for OCCURS reporting.)</small>			<u>APPROVED</u> Recognition Award	Current Credits
	<u>6-digit CIP</u>	<u>7th digit</u>	<u>8th digit</u>		
Parent Program Construction Trades, General Apprenticeship SAAS	46.0000	N	*	<input type="checkbox"/> Statewide AAS (90-108 credits)	
Apprenticeship Area: Plumber (PB)				<input type="checkbox"/>	
Related Certificates: Construction Trades, General Apprenticeship SCC1				<input type="checkbox"/> SCC1 (45-60 credits)	57

**Enter name of base degree in 'AAS Title' box


TYPE OF PROGRAM AMENDMENT <small>(Check ALL That Apply)</small>			
New Program++ Title Change for Program	Curriculum Revision	<input type="checkbox"/> Revision in Program Credits	
		<i>Proposed Total Credits:</i>	57-60
<i>Proposed AAS Title:</i>			
<i>Proposed OPTION Title:</i>			
<i>Proposed Certificate Title:</i>			
<input type="checkbox"/> SUSPENSION of Program	<i>Reason for Suspension:</i>		
Suspension Effective Date:			

++If new program is an additional award for an existing degree or certificate, complete 'Program Information' section for existing program.

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 18-19 [List entire curriculum as last approved]				PROPOSED CURRICULUM 19-20 [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
APR1000	Computation Related Instruction		3	APR1000	Computation Related Instruction		3-4
APR2000	Communication Related Instruction		3	APR2000	Communication Related Instruction		3-4
APR3000	Human Relations Related Instruction		3	APR3000	Human Relations Related Instruction		3-4
APRPB1000	Apprenticeship-Plumber (PB) SSC1		48				
APR-107PB	Plumbing ADA	15	1	REMOVE			
APR-117PB	Plumbing Basic Trade & Code	33	3				
APR-127PB	Plumbing Fittings & Materials	33	3				
APR-137PB	Plumbing Basic Installation & ISO	33	3				
APR-147PB	Plumbing Math	33	3				
APR-157PB	Plumbing Pipe Sizing & Advanced Math	33	3				
APR-167PB	Plumbing Welding and Print Reading	33	3				
APR-177PB	Plumbing Related Science	33	3				
APR-187PB	Plumbing Related Codes	33	3				
APR-197PB	Plumbing Backflow Prevention	20	1				
APR-205PB	Service Plumbing	33	3				
APR-206PB	Plumbing Gas & Electric	20	1				
APR-217PB	Advanced Plumbing Installation	33	3				
APR-227PB	Plumbing Gas Venting & Drains	33	3				
APR-237PB	Plumbing Water Heater & Circuit Controls	33	3				
APR-247PB	Advanced Plumbing Code I	33	3				
APR-257PB	Advanced Plumbing Code II	33	3				
APR-267PB	Advanced Plumbing Code III	33	3				
				APR-109PB	Plumbing Conservation Systems	15	1
TOTAL CURRENT CREDITS:				TOTAL PROPOSED CREDITS:			
				57-60			

College Contact	Shelly Tracy	Telephone No.	
E-Mail Address		Fax No.	
Chief Academic Officer or PTE Dean Signature			Date 4/3/19

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College:	Clackamas Community College	Date	01/30/2019
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CAREER LEARNING AREA

<input type="checkbox"/> Ag, Food & Natural Resource Systems	<input type="checkbox"/> Health Services
<input type="checkbox"/> Arts, Information & Communications	<input type="checkbox"/> Human Resources
<input type="checkbox"/> Business & Management	<input checked="" type="checkbox"/> Industrial & Engineering Systems

PROGRAM INFORMATION

<u>APPROVED</u> Program Title <small>(For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)</small>	<u>APPROVED</u> CIP Code <small>(Include 7th & 8th digits used for OCCURS reporting.)</small>			<u>APPROVED</u> Recognition Award	Current Credits
	<u>6-digit CIP</u>	<u>7th digit</u>	<u>8th digit</u>		
Parent Program Electrician Apprenticeship Technologies SAAS	46.0301	I	*	<input type="checkbox"/> Statewide AAS (90-108 credits)	90
Apprenticeship Area: Inside Electrician (IE) Limited Energy (LE) Meterman (UM) Wireman (UW) Limited Maintenance Electrician (LME)				<input type="checkbox"/>	
Related Certificates: Electrician Apprenticeship Technologies SCC1 Limited Electrician Apprenticeship Technologies SCC Limited License Electrician Apprenticeship Technologies SCPC				<input type="checkbox"/>	

**Enter name of base degree in 'AAS Title' box

TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

New Program++ Title Change for Program	Curriculum Revision	<input type="checkbox"/> Revision in Program Credits
		Proposed Total Credits: 90-101
Proposed AAS Title:		
Proposed OPTION Title:		
Proposed Certificate Title:		
<input type="checkbox"/> SUSPENSION of Program	<i>Reason for Suspension:</i>	
Suspension Effective Date:		

++If new program is an additional award for an existing degree or certificate, complete 'Program Information' section for existing program.

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

<i>CURRENT CURRICULUM 18-19</i>				<i>PROPOSED CURRICULUM 19-20</i>			
[List entire curriculum as last approved]				[List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
APR000	Apprenticeship-Credit for Prior Certification		22				
APR1000	Computation Related Instruction		3	APR1000	Computation Related Instruction		3-4
APR2000	Communication Related Instruction		3	APR2000	Communication Related Instruction		3-4
APR3000	Human Relations Related Instruction		3	APR3000	Human Relations Related Instruction		3-4
PEHREQ000	PE/Health Related Instruction		1	PEHREQ000	PE/Health Related Instruction		1-3
APRIE000	Apprenticeship-Inside Electrician (IE)		48				
--	Inside Electrician (IE) Electives		10-5				
APR-125IE	DC Theory	36	3				
APR-134IE	Residential Wiring I	36	3				
APR-135IE	Residential Wiring II	36	3				
APR-136IE	Electrical Design I	36	3				
APR-145IE	Grounding & Bonding	36	3				
APR-155IE	Motors & Transformers	36	3				
APR-165IE	AC Theory	36	3				
APR-175IE	Blueprint Reading for Construction Trades	36	3				
APR-185IE	Electrical Systems	36	3				
APR-235IE	Special Installations	36	3				
APR-236IE	Motors & Controls	36	3				
APR-237IE	Electrical Design II	36	3				
APR-245IE	NEC Analysis I	36	3				
APR-255IE	NEC Analysis II	36	3				
APR-265IE	NEC Analysis III	36	3				
APR-275IE	NEC Analysis IV	36	3				
APRLE000	Apprenticeship-Limited Energy (LE)		36				
--	Limited Energy (LE) Electives		22-17				
APR-111LE	Residential Technologies	48	4				
APR-112LE	Basic Trade, Code & Safety	48	4				
APR-113LE	Specialized Control Systems	48	4				
APR-114LE	Data Communications	48	4				
APR-115LE	Amplified Systems	48	4				
APR-116LE	Burglar Alarms/Access Controls	48	4				
APR-217LE	Closed Circuit Television/Integrated Systems	48	4				
APR-218LE	Fire Alarm Systems	48	4				
APR-219LE	ADA & Code	48	4				
APRUE000	Apprenticeship-Line Estimator (UE)		57				

APR-111UE	Line Estimator Basic I: Tools and Equipment	44	4	REMOVE ENTIRE FOCUS AREA	
APR-112UE	Line Estimator Basic II: Electrical Theory	44	4		
APR-113UE	Line Estimator Basic III: Wire Circuits	44	4		
APR-121UE	Line Estimator Theory I: Operations	44	4		
APR-122UE	Line Estimator Theory II: Standards	44	4		
APR-123UE	Line Estimator Theory III: Power Line	44	4		
APR-131UE	Electric Utility System Operation (EUSO)	30	3		
APR-132UE	Estimator Navigational Mapping	30	3		
APR-133UE	Estimator Facility Point Inspection	30	3		
APR-134UE	Estimator Phase Design	30	3		
APR-135UE	Estimator Metering	30	3		
APR-136UE	Estimator Transformer Training	30	3		
APR-137UE	Estimator Field Functions	30	3		
APR-231UE	Line Estimator Responsibility I: Live Line	44	4		
APR-232UE	Line Estimator Responsibility II: Substation	44	4		
APR-233UE	Line Estimator Responsibility III: Field Responsibility	44	4		
APRUG000	Apprenticeship-Hydrogeneration (UG)		45		
APR-111UG	Hydro-Generation: Electric Theory I INACTIVE	55	5		REMOVE ENTIRE FOCUS AREA
APR-112UG	Hydro-Generation: Electric Theory II INACTIVE	55	5		
APR-113UG	Hydro-Generation: Electric Theory III INACTIVE	55	5		
APR-121UG	Hydro-Generation: Fundamentals I INACTIVE	55	5		
APR-122UG	Hydro-Generation: Fundamentals II INACTIVE	55	5		
APR-123UG	Hydro-Generation: Fundamentals III INACTIVE	55	5		
APR-221UG	Hydro-Generation: Operations I	55	5		
APR-222UG	Hydro-Generation: Operations II	55	5		
APR-223UG	Hydro-Generation: Operations III	55	5		
APRUL000	Apprenticeship-Lineman (UL)		62		
APR-111UL	Outside Electrical Basic Theory I	55	5		
APR-112UL	Outside Electrical Basic Theory II	55	5		

APR-113UL	Outside Electrical Basic Theory III	55	5				
APR-115UL	Initial Pole Yard Training	80	4				
APR-116UL	Six Month Pole Yard Review Training	40	2				
APR-118UL	Transformer Connections I	24	1				
APR-121UL	Outside Electrical Fundamental Theory I	55	5				
APR-122UL	Outside Electrical Fundamental Theory II	55	5				
APR-123UL	Outside Electrical Fundamental Theory III	55	5				
APR-125UL	Hot Stick Training	80	4				
APR-126UL	Troubleman Training	80	4				
APR-128UL	Transformer Connections II	24	1				
APR-138UL	Transformer Connections III	24	1				
APR-231UL	Outside Electrical Advanced Theory I	55	5				
APR-232UL	Outside Electrical Advanced Theory II	55	5				
APR-233UL	Outside Electrical Advanced Theory III	55	5				
APRUM000	Apprenticeship-Meterman (UM)		59				
APR-110UM	Initial Meterman Training	80	4				
APR-111UM	Metering: Basics I	55	5				
APR-112UM	Metering: Basics II	55	5				
APR-113UM	Metering: Basics III	55	5				
APR-115UW	Substation Metering & Relay Overview	40	2				
APR-116UM	Network Data Operations (NDO) Overview	11	1				
APR-117UM	Special Tester Overview	40	2				
APR-118UL	Transformer Connections I	24	1				
APR-118UM	Leadman Repairman Overview	40	2				
APR-121UM	Metering: Fundamentals I	55	5				
APR-122UM	Metering: Fundamentals II	55	5				
APR-123UM	Metering: Fundamentals III	55	5				
APR-128UL	Transformer Connections II	24	1				
APR-138UL	Transformer Connections III	24	1				
APR-231UM	Metering: Advanced I	55	5				
APR-232UM	Metering: Advanced II	55	5				
APR-233UM	Metering: Advanced III	55	5				
APRUW000	Apprenticeship-Wireman (UW)		64				
APR-110UW	Initial Substation Wireman Training	80	4				
APR-111UW	Basic Substation Wireman I	55	5				
APR-112UW	Basic Substation Wireman II	55	5				
APR-113UW	Basic Substation Wireman III	55	5				
APR-115UW	Substation Metering & Relay Overview	40	2				

APR-116UW	System Control & Data Acquisitions (SCADA) Overview	40	2				
APR-117UW	Safety Coordinator Overview	20	1				
APR-118UW	Substation Operator Overview	40	2				
APR-119UW	Batteryman Overview	40	2				
APR-121UW	Fundamental Substation Wireman I	55	5				
APR-122UW	Fundamental Substation Wireman II	55	5				
APR-123UW	Fundamental Substation Wireman III	55	5				
APR-125UW	Wireman Hot Stick Training	80	4				
APR-128UW	Transformer Shop Overview	40	2				
APR-231UW	Advanced Substation Wireman I	55	5				
APR-232UW	Advanced Circuit Theory & Troubleshooting I	55	5				
APR-233UW	Advanced Circuit Theory & Troubleshooting II	55	5				
				APRLME000	Apprenticeship-Limited Maintenance Electrician (LME)		29
				--	Limited Maintenance Electrician (LME) Electives		29-24
				APR-104LM	Reading Schematics and Symbols	22	2
				APR-107LM	Industrial Safety & First Aid	33	3
				APR-130LM	Basic Electricity I	33	3
				APR-131LM	Basic Electricity II	33	3
				APR-132LM	Basic Electricity III	33	3
				APR-202LM	Electrical Code Level I	44	4
				APR-203LM	Electrical Code-Level II	44	4
				APR-204LM	Electrical Code-Level III	44	4
				APR-223LM	Instrumentation & Controls	66	3
APRUG1000	Apprenticeship-Hydrogeneration (UG) Electives		35				
APR-231UG	Hydro-Generation: Systems Operator	55	5	REMOVE			
ERM-100	Introduction to Utility Industry and Career Options	33	3				
ERM-101	History of the Energy Industry in the Pacific Northwest	33	3				
ERM-102	Electricity Fundamentals in the Utility Industry	33	3				
ERM-103	Fossil Fuels in the Utility Industry	33	3				
ERM-107	Career Portfolio	44	4				
ERM-121	Orientation to the Utility Industry	10	1				

ERM-160	Utility Industry Health Awareness	33	3		
ERM-161	Utility Industry Safety Development	80	4		
ERM-201	Energy Applications I: Renewable Energy Resource	40	4		
ERM-202	Energy Applications II: Leadership	40	4		
ERM-203	Energy Applications III: Energy Issues	40	4		
UT-102	Basic Electricity Fundamentals	10	1		
UT-175	Groundman Training	80	4		
UT-215	Utility Customer Service	240	12		
UT-219	Utility Train the Trainer-- INACTIVE	22	2		
TOTAL CURRENT CREDITS:					TOTAL PROPOSED CREDITS:

College Contact	Shelly Tracy	Telephone No.	
E-Mail Address		Fax No.	
Chief Academic Officer or PTE Dean Signature		Date	4/3/19





COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

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College:	Clackamas Community College	Date	
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CAREER LEARNING AREA

<input type="checkbox"/> Ag, Food & Natural Resource Systems	<input type="checkbox"/> Health Services
<input type="checkbox"/> Arts, Information & Communications	<input type="checkbox"/> Human Resources
<input type="checkbox"/> Business & Management	<input checked="" type="checkbox"/> Industrial & Engineering Systems

PROGRAM INFORMATION

APPROVED Program Title <small>(For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)</small>	APPROVED CIP Code <small>(Include 7th & 8th digits used for OCCURS reporting.)</small>			APPROVED Recognition Award	Current Credits
	6-digit CIP	7th digit	8th digit		
Parent Program Electrician Apprenticeship Technologies SAAS	46.0301	I	*	<input type="checkbox"/> Statewide AAS (90-108 credits)	
Apprenticeship Area: Inside Electrician (IE) Limited Energy (LE)				<input type="checkbox"/>	
Certificate: Electrician Apprenticeship Technologies SCC1				<input type="checkbox"/> SCC1 (45-60 credits)	45-57

**Enter name of base degree in 'AAS Title' box

TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)


New Program++ Title Change for Program	Curriculum Revision	<input type="checkbox"/> Revision in Program Credits	
		<i>Proposed</i> Total Credits: _____	
<i>Proposed</i> AAS Title: _____			
<i>Proposed</i> OPTION Title: _____			
<i>Proposed</i> Certificate Title: _____			
<input type="checkbox"/> SUSPENSION of Program	<i>Reason for Suspension:</i> _____		
Suspension Effective Date: _____			

++If new program is an additional award for an existing degree or certificate, complete 'Program Information' section for existing program.

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

<i>CURRENT CURRICULUM 18-19</i> [List entire curriculum as last approved]				<i>PROPOSED CURRICULUM 19-20</i> [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
APR1000	Computation Related Instruction		3				
APR2000	Communication Related Instruction		3				
APR3000	Human Relations Related Instruction		3				
Course Group 1							
APRIE000	Apprenticeship-Inside Electrician (IE)		48				
APR-125IE	DC Theory		3				
APR-134IE	Residential Wiring I		3				
APR-135IE	Residential Wiring II		3				
APR-136IE	Electrical Design I		3				
APR-145IE	Grounding & Bonding		3				
APR-155IE	Motors & Transformers		3				
APR-165IE	AC Theory		3				
APR-175IE	Blueprint Reading for Construction Trades		3				
APR-185IE	Electrical Systems		3				
APR-235IE	Special Installations		3				
APR-236IE	Motors & Controls		3				
APR-237IE	Electrical Design II		3				
APR-245IE	NEC Analysis I		3				
APR-255IE	NEC Analysis II		3				
APR-265IE	NEC Analysis III		3				
APR-275IE	NEC Analysis IV		3				
APRLE000	Apprenticeship-Limited Energy (LE)		36				
APR-111LE	Residential Technologies	48	4				
APR-112LE	Basic Trade, Code & Safety	48	4				
APR-113LE	Specialized Control Systems	48	4				
APR-114LE	Data Communications	48	4				
APR-115LE	Amplified Systems	48	4				
APR-116LE	Burglar Alarms/Access Controls	48	4				
APR-217LE	Closed Circuit Television/Integrated Systems	48	4				
APR-218LE	Fire Alarm Systems	48	4				
APR-219LE	ADA & Code	48	4				
APRUG000	Apprenticeship-Hydrogeneration (UG)		55				
APR-111UG	Hydro-Generation: Electric Theory I INACTIVE	55	5	REMOVE			
APR-112UG	Hydro-Generation: Electric Theory II INACTIVE	55	5	REMOVE			
APR-113UG	Hydro-Generation: Electric Theory III INACTIVE	55	5	REMOVE			
APR-121UG	Hydro-Generation: Fundamentals I INACTIVE	55	5	REMOVE			
APR-122UG	Hydro-Generation: Fundamentals II INACTIVE	55	5	REMOVE			
APR-123UG	Hydro-Generation: Fundamentals III INACTIVE	55	5	REMOVE			
APR-221UG	Hydro-Generation: Operations I	55	5	REMOVE			
APR-222UG	Hydro-Generation: Operations II	55	5	REMOVE			
APR-223UG	Hydro-Generation: Operations III	55	5	REMOVE			
TOTAL CURRENT CREDITS:			45-57	TOTAL PROPOSED CREDITS:			

College Contact	Shelly Tracy	Telephone No.	
E-Mail Address		Fax No.	
Chief Academic Officer <i>or</i> PTE Dean Signature			Date 4/3/19

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COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

This form should be completed electronically and the boxes will expand to accommodate text.

College:	Clackamas Community College	Date:	
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CAREER LEARNING AREA	
<input type="checkbox"/> Ag, Food & Natural Resource Systems	<input type="checkbox"/> Health Services
<input type="checkbox"/> Arts, Information & Communications	<input type="checkbox"/> Human Resources
<input type="checkbox"/> Business & Management	<input checked="" type="checkbox"/> Industrial & Engineering Systems

PROGRAM INFORMATION					
<i>APPROVED</i> Program Title	<i>APPROVED</i> CIP Code <small>(Include 7th & 8th digits used for OCCURS reporting.)</small>			<i>APPROVED</i> Recognition Award	Current Credits
	<i>6-digit CIP</i>	<i>7th digit</i>	<i>8th digit</i>		
AS Area of Emphasis Title: Engineering – Civil/Environmental				Associate of Applied Science Area of Emphasis	96-100
Partnering Institution Name Portland State University					


Last amendment approved on 01.18.19 (recommended catalog note added without approval/amendment during catalog)

TYPE OF PROGRAM AMENDMENT <small>(Check ALL That Apply)</small>		
<input type="checkbox"/> New Agreement	<input type="checkbox"/> Curriculum Revision	<input type="checkbox"/> Revision in Program Credits
		<i>Proposed Total Credits:</i>
<input type="checkbox"/> SUSPENSION of Program	<i>Reason for Suspension:</i>	
Suspension Effective Date:		

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRICULUM AMENDMENT							
CURRENT CURRICULUM 2018-19 [List entire curriculum as last approved]				PROPOSED CURRICULUM 2019-20 [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Program Requirements – First Year							
Fall Term							
CH-221	General Chemistry	77	5				
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
WR-121	English Composition	44	4				
Winter Term							
BI-204*	Elementary Microbiology	66	4				
CH-222	General Chemistry	77	5				
ENGR-112	Engineering Programming	33	3				
MTH-252	Calculus II	55	5				
Spring Term							
COMM-111	Public Speaking	44	4				
MTH-254	Vector Calculus	55	5				
WR-227	Technical Report Writing	44	4				
--	Arts & Letters elective		4	Move to Term 4			
				GIS-201	Introduction to Geographic Information Systems	60	3
Program Requirements – Second Year							
Fall Term							
ENGR-211	Statics	44	4				
GIS-201	Introduction to Geographic Information Systems	60	3	Move to Term 3			
PH-211	General Physics with Calculus	70	5				
--	Social Science elective		4				
				--	Arts & Letters elective		4
Winter Term							
CDT-103	Computer-Aided Drafting I	66	3				
ENGR-212	Dynamics	44	4				
MTH-256	Differential Equations	44	4				
PH-212	General Physics with Calculus	70	5				
Spring Term							
ENGR-213	Strength of Materials	44	4				
MTH-261	Linear Algebra	44	4				
PH-213	General Physics with Calculus	70	5				
--	Arts & Letters or Social Science elective		4				
Catalog Note:							
*Environmental Track only							
Arts & Letters Electives							
<p>All courses in ASL, COMM, ENG, FR, GER, HUM, PHL, SPN, WR. Note that native speakers should only take advanced (300 level or above) foreign language courses. Non-performance based courses in art, journalism, music, and theater also meet this requirement.</p> <p>The accepted courses at CCC are: ART-101, 102, 103, 205, 206; J-211; MUS-105, 141, 205, 206, 230; TA-101, 102;</p>							
Social Science Electives							

All courses in ANT, EC, GEO, HST, PS, PSY, SOC, SSC, and WS.			
Recommended:			
Recommended: Civil Engineers should take Plane Surveying (CE-211/CS-212) at PSU before beginning their junior year at PSU. The course is offered in the spring and summer terms at PSU. It is also recommended that a civil/environmental engineering student complete one additional Arts & Letters or Social Science elective.			
TOTAL CURRENT CREDITS:	96-100	TOTAL PROPOSED CREDITS:	
College Contact	Eric Lee	Telephone No.	6163
E-Mail Address		Fax No.	
Chief Academic Officer or CTE Dean Signature			Date 3/14/19



COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

This form should be completed electronically and the boxes will expand to accommodate text.

College:	Clackamas Community College	Date:	
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CAREER LEARNING AREA	
<input type="checkbox"/> Ag, Food & Natural Resource Systems	<input type="checkbox"/> Health Services
<input type="checkbox"/> Arts, Information & Communications	<input type="checkbox"/> Human Resources
<input type="checkbox"/> Business & Management	<input type="checkbox"/> Industrial & Engineering Systems

PROGRAM INFORMATION					
<i>APPROVED</i> Program Title	<i>APPROVED</i> CIP Code <small>(Include 7th & 8th digits used for OCCURS reporting.)</small>			<i>APPROVED</i> Recognition Award	Current Credits
	<i>6-digit CIP</i>	<i>7th digit</i>	<i>8th digit</i>		
AS Area of Emphasis Title: English				Associate of Applied Science Area of Emphasis	91-98
Partnering Institution Name University of Oregon					

Track requirement changed to General Elective during Catalog edit without an amendment or approval

Last amendment approved on 01.19.18 (changed to General Elective in catalog w/o approval on 2/15/19)

TYPE OF PROGRAM AMENDMENT <small>(Check ALL That Apply)</small>		
<input type="checkbox"/> New Agreement	<input checked="" type="checkbox"/> Curriculum Revision	<input type="checkbox"/> Revision in Program Credits
		<i>Proposed Total Credits:</i>
<input type="checkbox"/> SUSPENSION of Program	<i>Reason for Suspension:</i>	
Suspension Effective Date:		

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 2018-19 [List entire curriculum as last approved]				PROPOSED CURRICULUM 2019-20 [List only course(s) to be amended]			
Course Number	Course Title	Clock Hours	Credits	Course Number	Course Title	Clock Hours	Credits
Program Requirements – First Year							
Fall Term							
ASL-101 or FR-101 or SPN-101	American Sign Language I or First-Year French I or First-Year Spanish I	44	4				
MTH-105 Or higher	Math in Society Or higher (except MTH-205 and MTH-280)	44	4-5				
WR-121	English Composition	44	4				
WR-140 Or --	Introduction to Writing Creatively Or Arts & Letters course		4				
Winter Term							
ASL-102 or FR-102 or SPN-102	American Sign Language or First-Year French II or First-Year Spanish II	44	4				
ESR-172 Or --	Environmental Science Or Science course		4-5				
PSY-110 Or --	Psychology: An Overview Or Social Science course		3-5				
WR-122	English Composition	44	4				
Spring Term							
ASL-103 or FR-103 or SPN-103	American Sign Language or First-Year French III or First-Year Spanish III	44	4				
ESR-173 Or --	Environmental Science Or Science Elective course		4-5				
ENG-270 Or --	Introduction to Literary Criticism Or Arts & Letters course		4				
WR-222	English Composition	44	4				
Program Requirements – Second Year							
Fall Term							
ASL-201 or FR-201 or SPN-201	Second-Year American Sign Language I or Second-Year French I or Second-Year Spanish I	44	4				
ENG-204	Survey of English Literature, Part 1	44	4				
ENG-	Program Elective	44	4				
--	Track Requirement		4	REMOVE			
--				--	General Electives	--	4
Winter Term							

ASL-202 or FR-202 or SPN-202	Second-Year American Sign Language II or Second-Year French II or Second-Year Spanish II	44	4				
ENG-205 or ENG-253	Survey of English Literature, Part 2 or American Literature, Part 1	44	4				
ENG-	Program Elective	44	4				
--	General Elective	44	4				
Spring Term							
ASL-203 or FR-203 or SPN-203	Second-Year American Sign Language III or Second-Year French III or Second-Year Spanish III	44	4				
ENG-254	American Literature, Part 2	44	4				
ENG-297	A.S. Degree Portfolio	11	1				
HST-103 Or --	History of Western Civilization Or Social Science Elective		3-5				
Social Science Elective							
ANT-102, 103, 231, 232; EC-201, 202; GEO-110, 208; HST-101, 102, 103, 131, 132, 136, 137, 138, 201, 202, 203; PS-200, 201, 203, 204, 205, 225; PSY-101, 110, 205, 215, 219, 231; SSC-160, 233, 235, 240, 241, 242; SOC-204, 205, 206, 210, 225; WS-101;							
Other Science Electives							
ANT-101; BI-101, 102, 103, 112, 160L, 165CL, 204, 211, 212, 213, 231, 232, 233, 234; CH-104, 105, 106, 112, 150, 221, 222, 223, 241, 242, 243; ESR-171, 172, 173; G-101, 102, 103, 145, 148, 201, 202, 203; PH-121, 122, 123, 201, 202, 203, 211, 212, 213; PSY-200; Z-201, 202, 203;							
English Program Electives							
ENG-104*, 105*, 106*, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 213, 218, 225, 226, 230, 240, 241, 250, 251, 252, 255, 260, 261, 266, 295; *Only one selection from ENG-104, -105, and -106 will count for credit at UO.							
General Elective							
Any other minimum 4-credit transferable course except prefix PE or HPE that is not already part of the degree requirements							
Arts & Letters Options							
Minimum 4 credits per term WR-220, 240, 241, 242, 243, 244, 245, 246, 262, 263, 265; Or other Arts & Letters courses as listed in the CCC Catalog							
TOTAL CURRENT CREDITS:			91-98	TOTAL PROPOSED CREDITS:			
College Contact	Carol Burnell			Telephone No.			
E-Mail Address				Fax No.			
Chief Academic Officer or CTE Dean Signature	Tara Sprehe (via email)					Date	3/22/19



COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

(For changes to State Approved Associate of Applied Science degree, AAS option and Certificate of Completion programs)

This form should be completed electronically and the boxes will expand to accommodate text.

Current instructions, forms, handouts and other useful resources are located at

<http://www.ode.state.or.us/search/results/?id=231>

College:	Clackamas Community College	Date	
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CAREER LEARNING AREA

<input type="checkbox"/> Ag, Food & Natural Resource Systems	<input type="checkbox"/> Health Services
<input type="checkbox"/> Arts, Information & Communications	<input type="checkbox"/> Human Resources
<input type="checkbox"/> Business & Management	<input type="checkbox"/> Industrial & Engineering Systems

PROGRAM INFORMATION

<u>APPROVED</u> Program Title <small>(For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)</small>	<u>APPROVED</u> CIP Code (Include 7 th & 8 th digits used for OCCURS reporting.)			<u>APPROVED</u> Recognition Award	Current Credits
	6-digit CIP	7 th digit	8 th digit		
AAS Title: Early Childhood Education & Family Studies	19.0708			<input checked="" type="checkbox"/> AAS (90-108 credits)	90-93
Option Title**				<input type="checkbox"/> OPTION to AAS Degree	
Related Certificates: Early Childhood Education & Family Studies Certificate Family Development CP				<input type="checkbox"/> Certificate of Completion	

**Enter name of base degree in 'AAS Title' box

LAST AMENDMENT APPROVED ON 5/18/2018

TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

<input type="checkbox"/> New Program++	<input type="checkbox"/> Curriculum Revision	<input type="checkbox"/> Revision in Program Credits
<input type="checkbox"/> Title Change for Program		<i>Proposed Total Credits:</i> <input type="text"/>
<i>Proposed AAS Title:</i>	<input type="text"/>	
<i>Proposed OPTION Title:</i>	<input type="text"/>	
<i>Proposed Certificate Title:</i>	<input type="text"/>	
<input type="checkbox"/> SUSPENSION of Program	<i>Reason for Suspension:</i> <input type="text"/>	
Suspension Effective Date:	<input type="text"/>	

++If new program is an additional award for an existing degree or certificate, complete 'Program Information' section for existing program.


CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 2018-19 <small>[List entire curriculum as last approved]</small>				PROPOSED CURRICULUM 2019-20 <small>[List only course(s) to be amended]</small>			
Course	Title	Hours	Credits	Course	Course Title	Hours	Credits
Early Childhood Education & Family Studies Associate of Applied Science Degree: 1 st Year							
Summer Term1							
MTH-050 Or MTH-065 Or MTH-098	Technical Mathematics I or Algebra II or College Math Foundations	44	4				
WR-101 Or WR-121	Communication Skills: Occupational Writing or English Composition	33-44	3-4				
Fall Term2							
ECE-150	Introduction to Early Childhood Education & Family Studies	33	3				
ECE-235	Nutrition, Music & Movement in Early Childhood Education	33	3				
ED-100	Introduction to Education	33	3				
HDF-225	Prenatal, Infant & Toddler Development	33	3				
--	PE/Health/Safety/First Aid requirement (see page 82)		2-3				
Winter Term3							
ECE-121	Observation and Guidance I in ECE Settings	44	4				
ECE-154	Language & Literacy Development	33	3				
ECE-240	Environments and Curriculum Planning	33	3				
HDF-247	Preschool Child Development	33	3				
Spring Term4							
ECE-179	The Professional in Early Childhood Education and Family Studies	22	2				
ECE-221	Observation & Guidance II in ECE Settings	44	4				
ECE-280	Early Childhood Education/CWE	108	3				
ED-258	Multicultural Education	33	3				
HDF-140 Or SOC-210	Contemporary American Families or	33-44	3-4				

	Marriage, Family, & Intimate Relations						
Early Education & Family Studies Associate of Applied Science Degree: 2 nd Year							
Fall Term5							
ECE-239	Helping Children and Families Cope With Stress	33	3				
ECE-241	Environments and Curriculum Planning: Infants and Toddlers	30	3				
HDF-260	Understanding Child Abuse and Neglect	44	4				
--	Early Childhood Education program electives		3				
Winter Term6							
ECE-289	The Project Approach in Early Childhood Education	11	1				
ECE-291	Practicum II	120	4				
ED-169	Overview of Students with Special Needs	33	3				
ED-254	Instructional Strategies for Dual Language Learners	33	3				
--	Early Childhood Education program electives		3				
Spring Term7							
ECE-177	Maximizing the Outdoors in ECE Curriculum	33	3				
ECE-292	Practicum III	120	4				
ED-114	Instructional Strategies in Math & Science	33	3				
ED-246	School, Family & Community Relations	44	4				
Early Childhood Education & Family Studies Program Electives							
BA-101	Introduction to Business	44	4				
COMM-100	Basic Speech Communication	33	3				
ECE-135	Self-Esteem in the ECE Classroom	10	1	Scheduled for Inactivation on 06.30.19			
ECE-139	Program Management in ECE	10	1				
ECE-142	Media, Technology and the Influences on Child Development	10	1				
ECE-143	Kindergarten Readiness	10	1				
ECE-144	Working with the Gifted Young Child	10	1				
ECE-145	Understanding Superhero Play in the Classroom	10	1	Scheduled for Inactivation on 06.30.19			
ED-150	Creative Activities for Children	33	3				
ED-229	Learning & Development	33	3				
ED-235	Educational Technology	33	3				
HS-154	Community Resources	33	3				

HST-138	History of Love, Marriage and the Family in Western Civilization	44	4				
PSY-101	Human Relations	33	3				
PSY-205	Psychology as a Social Science	44	4				
PSY-215	Introduction to Developmental Psychology	44	4				
PSY-221	Introduction to Counseling	44	4	Scheduled for Inactivation on 06.30.19			
SOC-204	Introduction to Sociology	44	4				
SPN-101	First-Year Spanish I	44	4				
SPN-102	First-Year Spanish II	44	4				
WR-122	English Composition	44	4				
WS-101	Introduction to Women's Studies	44	4				
TOTAL CURRENT CREDITS:			90-93	TOTAL PROPOSED CREDITS:			

College Contact	Dawn Hendricks	Telephone No.	6158
E-Mail Address		Fax No.	
Chief Academic Officer or PTE Dean Signature			Date 3/11/19



Program Suspensions

April 5, 2019 (8-9:30am, CC127)

Program
Limited Electrician Apprenticeship Technologies CC
Manual Trades Apprenticeship CC
AS English - Marylhurst

Program Name: Limited Electrician Apprenticeship Technologies SCC

Program Type: Apprenticeship certificate

Required Program Credits: 24

Plan Implementation Date: 19-20 Academic Year

Date of Suspension of Student Admission: immediately

Last Term of Program Teach Out:

of Students in Program: 0

Source for Student Enrollment: Director

Teach Out Plan: Zero students enrolled and all courses offered within another certificate

(This plan must allow students to complete a goal without being disadvantaged. The plan cannot cost the student additional money. The teach out plan can include solutions to situations that would result in additional student costs, such as offering free tuition to students for the additional courses they may have to complete in order to be awarded a degree. The teach-out plan should also consider how the department will handle students who want to return to the degree program, but were not enrolled in the program at the time of termination. The following grid must be completed as part of the Teach Out Plan.)

How will these promises to the students be met?	Describe
Maintain the necessary experience, resources, and support services	All courses available within another certificate program.
Remain stable, carry out its mission, and meet all its obligations to students	All courses available within another certificate program.
Offer the program without additional charge	All courses available within another certificate program.

Communication plan with students: Zero current enrollment, no communication necessary.

(This plan must explain how students will receive communication regarding the suspension of a program. Examples include meetings, emails, and letters. In some cases multiple meetings at different times of the day may be required.)



COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

(For changes to State Approved Associate of Applied Science degree, AAS option and Certificate of Completion programs)

This form should be completed electronically and the boxes will expand to accommodate text.

Current instructions, forms, handouts and other useful resources are located at

<http://www.ode.state.or.us/search/results/?id=231>

College:	Clackamas Community College	Date	01/30/2019
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CAREER LEARNING AREA

<input type="checkbox"/> Ag, Food & Natural Resource Systems	<input type="checkbox"/> Health Services
<input type="checkbox"/> Arts, Information & Communications	<input type="checkbox"/> Human Resources
<input type="checkbox"/> Business & Management	<input checked="" type="checkbox"/> Industrial & Engineering Systems

PROGRAM INFORMATION

<i>APPROVED</i> Program Title <small>(For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)</small>	<i>APPROVED</i> CIP Code <small>(Include 7th & 8th digits used for OCCURS reporting.)</small>			<i>APPROVED</i> Recognition Award	Current Credits
	<i>6-digit CIP</i>	<i>7th digit</i>	<i>8th digit</i>		
Parent Program Electrician Apprenticeship Technologies SAAS	46.0301	I	*	<input type="checkbox"/> Statewide AAS (90-108 credits)	
Apprenticeship Area:				<input type="checkbox"/>	
Certificate: Limited Electrician Apprenticeship Technologies SCC				<input type="checkbox"/> SCC (12-30 credits)	24

**Enter name of base degree in 'AAS Title' box

TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

New Program++ Title Change for Program	Curriculum Revision	<input type="checkbox"/> Revision in Program Credits	
		Proposed Total Credits:	
Proposed AAS Title:			
Proposed OPTION Title:			
Proposed Certificate Title:			
<input type="checkbox"/> SUSPENSION of Program	<i>Reason for Suspension:</i>		
Suspension Effective Date:			

++If new program is an additional award for an existing degree or certificate, complete 'Program Information' section for existing program.

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

<i>CURRENT CURRICULUM 18-19</i> [List entire curriculum as last approved]				<i>PROPOSED CURRICULUM 19-20</i> [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
APR-111LE	Residential Technologies	48	4				
APR-112LE	Basic Trade, Code & Safety	48	4				
APR-113LE	Specialized Control Systems	48	4				
APR-114LE	Data Communications	48	4				
APR-115LE	Amplified Systems	48	4				
APR-219LE	ADA & Code	48	4				
TOTAL <i>CURRENT</i> CREDITS:				TOTAL <i>PROPOSED</i> CREDITS:			

College Contact		Telephone No.	
E-Mail Address		Fax No.	
Chief Academic Officer <i>or</i> PTE Dean Signature		Date	

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Program Name: Manual Trades Apprenticeship SCC

Program Type: Apprenticeship certificate

Required Program Credits: 27

Plan Implementation Date: 19-20 Academic Year

Date of Suspension of Student Admission: immediately

Last Term of Program Teach Out:

of Students in Program: 0

Source for Student Enrollment: Director

Teach Out Plan: Zero students enrolled and all courses offered within another certificate

(This plan must allow students to complete a goal without being disadvantaged. The plan cannot cost the student additional money. The teach out plan can include solutions to situations that would result in additional student costs, such as offering free tuition to students for the additional courses they may have to complete in order to be awarded a degree. The teach-out plan should also consider how the department will handle students who want to return to the degree program, but were not enrolled in the program at the time of termination. The following grid must be completed as part of the Teach Out Plan.)

How will these promises to the students be met?	Describe
Maintain the necessary experience, resources, and support services	All courses available within another certificate program.
Remain stable, carry out its mission, and meet all its obligations to students	All courses available within another certificate program.
Offer the program without additional charge	All courses available within another certificate program.

Communication plan with students: Zero current enrollment, no communication necessary.

(This plan must explain how students will receive communication regarding the suspension of a program. Examples include meetings, emails, and letters. In some cases multiple meetings at different times of the day may be required.)



COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

(For changes to State Approved Associate of Applied Science degree, AAS option and Certificate of Completion programs)

This form should be completed electronically and the boxes will expand to accommodate text.

Current instructions, forms, handouts and other useful resources are located at

<http://www.ode.state.or.us/search/results/?id=231>

College:	Clackamas Community College	Date	
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CAREER LEARNING AREA

<input type="checkbox"/> Ag, Food & Natural Resource Systems	<input type="checkbox"/> Health Services
<input type="checkbox"/> Arts, Information & Communications	<input type="checkbox"/> Human Resources
<input type="checkbox"/> Business & Management	<input checked="" type="checkbox"/> Industrial & Engineering Systems

PROGRAM INFORMATION

<u>APPROVED</u> Program Title <small>(For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)</small>	<u>APPROVED</u> CIP Code <small>(Include 7th & 8th digits used for OCCURS reporting.)</small>			<u>APPROVED</u> Recognition Award	Current Credits
	<u>6-digit CIP</u>	<u>7th digit</u>	<u>8th digit</u>		
Parent Program Construction Trades, General Apprenticeship SAAS	46.0000	N	*	<input type="checkbox"/> Statewide AAS (90-108 credits)	
Apprenticeship Area:				<input type="checkbox"/>	
Related Certificates: Manual Apprenticeship Trades SCC				<input type="checkbox"/> SCC (12-30 credits)	27

**Enter name of base degree in 'AAS Title' box

TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

<input checked="" type="checkbox"/> New Program++ Title Change for Program	<input checked="" type="checkbox"/> Curriculum Revision	<input type="checkbox"/> Revision in Program Credits
		<i>Proposed Total Credits:</i> <input type="text"/>
<i>Proposed AAS Title:</i> <input type="text"/>		
<i>Proposed OPTION Title:</i> <input type="text"/>		
<i>Proposed Certificate Title:</i> <input type="text"/>		
<input type="checkbox"/> SUSPENSION of Program	<i>Reason for Suspension:</i> <input type="text"/>	
Suspension Effective Date:	<input type="text"/>	

++If new program is an additional award for an existing degree or certificate, complete 'Program Information' section for existing program.

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.]

For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 18-19 [List entire curriculum as last approved]				PROPOSED CURRICULUM 19-20 [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
--	Computation Related Instruction		3				
--	Communication Related Instruction		3				
--	Human Relations Related Instruction		3				
APRPT000	Apprenticeship-Construction Trades, General Apprenticeship Painted Related Training		18				
APR-119PT	Basic Trade & Safety	33	2				
APR-129PT	Basic Surface & Preparation	33	2				
APR-139PT	Hand & Mechanical Cleaning	33	2				
APR-149PT	Basic Applications	33	2				
APR-159PT	Basic Covering & Problem Solving	33	2				
APR-169PT	Advanced Coating	33	2				
APR-219PT	Advanced Graphics & Texturing	33	2				
APR-229PT	Advanced Techniques	33	2				
APR-239PT	Advanced Estimating & Codes	33	2				
TOTAL CURRENT CREDITS:			27	TOTAL PROPOSED CREDITS:			

College Contact		Telephone No.	
E-Mail Address		Fax No.	
Chief Academic Officer <i>or</i> PTE Dean Signature			Date

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Program Name: English: Marylhurst University

Program Type: Associate of Science

Required Program Credits: 93-96

Plan Implementation Date: 5/22/2018

Date of Suspension of Student Admission: Fall 2018

Last Term of Program Teach Out: Summer 2018

of Students in Program: 0
 MyClackamas Program listing report

Source for Student Enrollment:

Teach Out Plan:

This plan must allow students to complete a goal without being disadvantaged. The plan cannot cost the student additional money. The teach out plan can include solutions to situations that would result in additional student costs, such as offering free tuition to students for the additional courses they may have to complete in order to be awarded a degree. The teach-out plan should also consider how the department will handle students who want to return to the degree program, but were not enrolled in the program at the time of termination. The following grid must be completed as part of the Teach Out Plan.

How will these promises to the students be met?	Describe
Maintain the necessary experience, resources, and support services	Assist students in choosing a different institution for transfer; connect students with advisors at new partnering transfer institution
Remain stable, carry out its mission, and meet all its obligations to students	For students graduating in spring 2018, award degree and assist with transfer advising to new partnering transfer institutions; for students attending after spring 2018, assist with advising and selecting new transfer institution
Offer the program without additional charge	Assist students with advising and graduation services; provide waivers and substitutions as necessary to meet new partnering transfer institution's requirements

Communication plan with students:

This plan must explain how students will receive communication regarding the suspension of a program. Examples include meetings, emails, and letters. In some cases, multiple meetings at different times of the day may be required.

The English Department Chair and the Director of Student Academic Support Services met, identified all students in the Marylhurst English AS program, and sent emails to all affected students. Students who were set to graduate in Spring term 2018 met with the department chair and advising director individually to ensure students could graduate on time. We provided them with contacts and information at Marylhurst so that they could receive the same transfer offers as students who were already at Marylhurst. All the students graduating in Spring term 2018 selected Portland State as the transfer institution and successfully transferred.

Students who were not set to transfer in Spring 2018, but were enrolled in the Marylhurst transfer program, were identified and sent email about advising services to select a new transfer institution. At this time, all students have selected other transfer institutions or programs except one student who has not responded to multiple emails. We will continue to reach out to that student.

The Curriculum office, Advising, and Graduation Services removed references to Marylhurst so that new students cannot select that option.



COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

This form should be completed electronically and the boxes will expand to accommodate text.

College:	Clackamas Community College	Date:	
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CAREER LEARNING AREA			
<input type="checkbox"/> Ag, Food & Natural Resource Systems	<input type="checkbox"/> Health Services		
Arts, Information & Communications	<input type="checkbox"/> Human Resources		
<input type="checkbox"/> Business & Management	<input type="checkbox"/> Industrial & Engineering Systems		

PROGRAM INFORMATION					
APPROVED Program Title	APPROVED CIP Code <small>(Include 7th & 8th digits used for OCCURS reporting.)</small>			APPROVED Recognition Award	Current Credits
	6-digit CIP	7 th digit	8 th digit		
AS Area of Emphasis Title: English				Associate of Applied Science Area of Emphasis	93-96
Partnering Institution Name Marylhurst University					

Last amendment approved on 01.19.18

TYPE OF PROGRAM AMENDMENT <small>(Check ALL That Apply)</small>		
<input type="checkbox"/> New Agreement	<input type="checkbox"/> Curriculum Revision	<input type="checkbox"/> Revision in Program Credits
		<i>Proposed Total Credits:</i>
<input checked="" type="checkbox"/> SUSPENSION of Program	<i>Reason for Suspension:</i> Marylhurst University closed all programs; this program is no longer available to students.	
Suspension Effective Date:		

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 2017-18 [List entire curriculum as last approved]				PROPOSED CURRICULUM 2018-19 [List only course(s) to be amended]			
Course Number	Course Title	Clock Hours	Credits	Course Number	Course Title	Clock Hours	Credits
Program Requirements – First Year							
Fall Term							
ENG-204 Or ENG –	Survey of English Literature, Part 1 Or One course from Program Electives: ENG prefix	44	4				
MTH-105 Or higher	Introduction to Contemporary Math or higher	44	4-5				
WR-121	English Composition	44	4				
WR-140	Introduction to Creative Writing	44	4				
Winter Term							
ENG-205 Or ENG –	Survey of English Literature, Part 2 Or One course from Program Electives: ENG prefix	44	4				
ESR-172	Environmental Science II Or One course from Sustainability & Science options**		4-5				
PSY-110	Psychology: An Overview Or One course from Community and Global Engagement options		4				
WR-122	English Composition	44	4				
Spring Term							
COMM-111	Public Speaking	44	4				
ENG-270*	Introduction to Literary Criticism	44	4				
ESR0173	Environmental Science III Or One course from Sustainability & Science options		4-5				
WR-222	Research Writing	44	4				
Program Requirements – Second Year							
Fall Term							
ENG-201 Or --	Shakespeare, Part 1 or One course from Program Electives	44	4				
--	One Arts & Letters course*	44	4				
--	Program Electives		4				
--	Program Electives		4				
Winter Term							
ENG-253 Or ENG-202	American Literature, Part 2 or Shakespeare, Part 2 Or One course from Program Electives	44	4				
--	Program Elective		4				

--	Program Elective		4				
ENG-213 Or --	Latino Literature Or One course from Social Justice Options	44	4				
Spring Term							
ENG or WR	English Program Elective		4				
ENG-297	AS Degree Portfolio		1				
--	One course from Values & Beliefs Options		4				
English Program Electives							
8 credits from the following list: ENG-116, 121, 130, 194, 195, 213, 214, 216, 217, 218, 225, 226, 240, 241, 242, 250, 251, 252, 255, 260, 261, 266, 295, 296; WR-220, 227, 240, 241, 242, 243, 244, 245, 246, 262, 263							
Track Requirements:							
Literature							
12 credits from the following: ENG-116, 121, 130, 194, 195, 213, 214, 216, 217, 218, 225, 226, 240, 241, 242, 250, 251, 252, 255, 260, 261, 266, 295, 296							
Creative Writing							
WR-246 and 8 credits from the following: WR-220, 240, 241, 242, 243, 244, 245, 262, 263, 265, 270							
Publishing							
WR-246 and 8 credits from the following: ART-115, 131, 132, 133; WR-220, 240, 241, 242, 243, 244, 245, 248, 250, 262, 263, 265, 270							
Sustainability & Science Requirements							
One course from ESR-171, 172, 173; GEO-130; CH-104, 105, 106, 221, 222, 223, 241, 242, 243; PH-201, 202, 203, 211, 212, 213							
Community & Global Engagement Requirements							
One course from HST-138; PS-205, 225; PSY-110, 200, 205, 214, 215, 219, 221, 231, 240; SOC-210; SSC-170, 242							
Creating the Arts Requirements							
One course from ART-106, 107, 108, 115, 116, 117, 131, 132, 133, 161, 162, 163, 194, 195, 221, 222, 225, 226, 227, 250, 251, 252, 253, 254, 255, 262, 281, 282, 283, 284, 285, 286, 291, 292, 294; CS-125H, 135I; DMC-104, 205, 230, 250, 264, 265; MUP-105, 205; MUS-111, 112, 113, 122, 221, 212, 213, 222, 247; TA-111, 112, 113, 141, 142, 143, 153, 195, 211, 212, 213, 241, 242, 243, 253, 295; WR-268							
Values & Beliefs Requirements							
One course from CJA-223; PHL-102, 205, 210; R-101, 102, 103, 204, 210, 211, 212; SSC-160							
TOTAL CURRENT CREDITS:			93	TOTAL PROPOSED CREDITS:			
College Contact					Telephone No.		
E-Mail Address					Fax No.		
Chief Academic Officer <i>or</i> CTE Dean Signature							Date