





**Present:** Nora Brodnicki, George Burgess, Elizabeth Carney, Amanda Coffey, Jeff Ennenga, Megan Feagles (Recorder), Eden Francis, Sharron Furno, Sue Goff, Shalee Hodgson, Kerrie Hughes, Jason Kovac, Kara Leonard, Alice Lewis (Alternate Chair), Mike Mattson, Patricia McFarland, Tracy Nelson, David Plotkin, Lisa Reynolds, Cynthia Risan, Charles Siegfried, Casey Sims, Tara Sprehe, Sarah Steidl, Dru Urbassik, Andrea Vergun, Helen Wand, Jim Wentworth-Plato

**Guests:** Kelly Love, Lupe Martinez, Laurette Scott

**Absent:** ASG Representative, Dustin Bare, Scot Pruyn (Chair), Terrie Sanne

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**1. Welcome & Introductions**

**2. Approval of Minutes**

- a. Approval of the November 20, 2020 minutes

*Motion to approve, approved*

**3. Consent Agenda**

- a. Course Number Changes  
b. Course Title Change  
c. Reviewed Outlines for Approval

*Motion to approve, approved*

**4. Course and Program Approvals**

**a. New Courses**

i. HD-138

1. Casey Sims presented  
2. From outline "Increased awareness of anxiety and depression as well as knowledge of tools to manage them increases retention and completion for students."

*Motion to approve, approved*

ii. ED-216

1. Laurette Scott presented  
2. This course is being developed as part of the Major Transfer Map/AAOT Elementary Education. Will replace and be equated to ED-100 and ED-200. Required for the major.  
3. SLOs were developed with the other Oregon Community Colleges.  
4. Remove general education or distribution requirement from the outline  
*Done by MCF on 12/4/20. Also changed in agenda packet and reuploaded to meeting webpage*

*Motion to approve, approved*

**b. Course Inactivations**

- a. ED-100, ED-200  
b. Laurette Scott presented  
c. The New ED-216 will replace ED-100 and ED-200. Students who took either ED-100 or ED-200 will get credit for ED-216. They will be equated in Colleague.  
d. ED-100 is listed as a course in the Education EFA. Needs to change to ED-216 starting 2021/SU  
e. Changes to EFAs will come to Curriculum Committee as informational items.  
*Put on 1/15/21 agenda by MCF on 12/4/20*

*Motion to approve, approved*

**c. Program Amendments**

i. Career & Technical Education (CTE) Licensure Prep CC

1. Laurette Scott presented  
2. Replaced ED-100 or ED-200 with ED-216. Total credit change from 27-28 to 28

*Motion to approve, approved*

ii. Early Childhood Education & Family Studies AAS

1. Laurette Scott presented  
2. Replace ED-100 with ED-216

*Motion to approve, approved*

- iii. Early Childhood Education & Family Studies CC
  - 1. Laurette Scott presented
  - 2. Replace ED-100 with ED-216

*Motion to approve, approved*

**d. New Programs**

- i. AAOT Elementary Education
- ii. Laurette Scott presented
- iii. Specifically designed to assist students in transferring into a junior undergrad standing.
- iv. It was suggested this program go to College Council as an informational item.
  - 1. Dru will work with Laurette to bring to College Council
- v. Remove WR-123, ART-116, DMC-194, DMC-195

*Done by MCF on 12/4/20. Also changed in agenda packet and reuploaded to meeting page*

*Motion to approve, approved*

**e. Program Learning Outcomes**

- i. Alcohol & Drug Counselor CPCC
  - 1. Megan Feagles presented on behalf of Yvonne Smith
  - 2. Changing "abuse" to "use" in PLO 2, changing "abuse" to "misuse" in PLO 4
  - 3. The official diagnosis changed with the latest edition of the Diagnostic and Statistical Manual of Mental Disorders (DSM)

*No approval needed; informational item*

- ii. Wildland Fire Programs (4)
  - 1. Jeff Ennenga presented
  - 2. Updated programs and updating PLOs as a result of all the changes.
  - 3. Change "insure" to "ensure"

*Done by MCF on 12/4/20. Also changed in agenda packet and reuploaded to meeting page*

*No approval needed; informational item*

**5. Old Business**

- a. FYE Requirement for All Programs
  - i. Lupe Martinez and Kelly Love presented
  - ii. Continuing discussion from 11/20/20 meeting
  - iii. FYE-101 will be required for all degree-seeking students.
  - iv. Hoping to get at least 33% of programs done by catalog deadline.
- b. Catalog Edits
  - i. Dru Urbassik presented
  - ii. Added additional meeting on January 29th
- c. Curriculum Committee Charter Draft
  - i. Alice Lewis presented
  - ii. Continuing discussion from 11/20/20 meeting
  - iii. Scot organized the proposed voting and membership standards into a draft Charter
  - iv. Bringing back for initial feedback, eventually bring to College Council

**6. New Business**

- a. Updated Process Docs, Checklists, Flowcharts
  - i. Megan Feagles presented
  - ii. Process Documents
    - 1. Course Creation, Edits, Inactivation, and Reactivation: added in the extra steps for changing credits, instructional method, hours
    - 2. Program Amendment: updated to match what is actually happening. Department sends Curriculum Office the amendment and we look over it before getting Dean approval.
  - iii. Flowcharts updated to match process docs
  - iv. Checklists: updated to be a broad overview of steps in order. Process docs have more detailed info.

**7. Closing Comments**

*-Meeting Adjourned-*

**Next Meeting: January 15, 2021 (8-9:30am)**

January 15, 2021

## 1. Course Title Change

Course	Current Title	Proposed Title
ED-114	Instructional Strategies in Math & Science	Instructional Strategies for Integrated Math Across Curriculum

## 2. Course Number Change

Course	Title	Proposed Course Number

## 3. Outlines Reviewed for Approval

Course	Title	Implementation
APR-111UL	Outside Electrical Basic Theory I	2021/SP
APR-111UM	Metering: Basics I	2021/SP
APR-111UW	Basic Substation Wireman I	2021/SP
APR-112UW	Basic Substation Wireman II	2021/SP
ED-114	Instructional Strategies for Integrated Math Across Curriculum	2021/SP
ED-169	Overview of Students with Special Needs	2021/SP
ED-229	Learning & Development	2021/SP
ED-258	Multicultural Education	2021/SP
EMT-109	Emergency Response	2021/SP
ENG-195	American Film	2021/SP
ENG-240	Native American Mythology	2021/SP
ENG-241	Norse Mythology	2021/SP
ENG-250	Greek Mythology	2021/SP
ENG-251	Celtic Mythology	2021/SP
ENG-252	Hindu Mythology	2021/SP
ENG-260	Introduction to Women Writers	2021/SP
GRN-179	Careers in Gerontology	2021/SP
HDF-225	Prenatal, Infant & Toddler Development	2021/SP
IMT-120	Industrial Machinery I	2021/SP
PE-194	Professional Activities	2021/SP
PE-294	Professional Activities	2021/SP
WR-140	Introduction to Writing Creatively	2021/SP

**Clackamas Community College**  
Online Course/Outline Submission System

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Show changes since last approval in red

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

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

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**Course Prefix and Number:** APR - 111UL**# Credits:** 5**Contact hours**

Lecture (# of hours): 55  
Lec/lab (# of hours):  
Lab (# of hours):  
Total course hours: 55

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:** Outside Electrical Basic Theory I**Course Description:**

Fundamentals of outside electrical apprenticeship related training. National Electrical Code standards, basic electrical Direct Current (DC) theory including Ohms law, electrical terminology, mathematical applications in electrical energy, rigging and safe work practices. Required: Student Petition.

---

**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):** Electrician Apprenticeship Technologies AAS

Are there prerequisites to this course?

**No**

Are there corequisites to this course?

**No**

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

**Yes**

**Recommendations:**

**Requirements:** Accepted into the Line-Electrician apprenticeship program. Student Petition.

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

**No**

Will this class use library resources?

**No**

Is there any other potential impact on another department?

**No**

Does this course belong on the Related Instruction list?

**No**

**GRADING METHOD:**

A-F Only

**Audit: No**

When do you plan to offer this course?

✓ **Fall**

Is this course equivalent to another?

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

**No**

Will this course appear in the college catalog?

**No**

Will this course appear in the schedule?

**No**

Student Learning Outcomes:

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

1. restate basic electrical unit terms;
2. mathematically solve circuit problems using Ohm's law;
3. describe the components that are involved in heavy lifting and rigging;
4. calculate line loads and guy loads for guy installations;
5. demonstrate rigging techniques;
6. explain the fundamentals of DC theory;
7. follow National Electric Code standards;
8. use required Personal Protective Equipment (PPE) and follow safe work practices.

---

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

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Major Topic Outline:

1. National Electric Code Standards.
2. Ohms Law.
3. Electrical terminology.
4. DC theory.
5. Lineworker rigging.

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

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

Percent of course: 0%

First term to be offered:

**Next available term after approval**

:

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**Clackamas Community College**  
Online Course/Outline Submission System

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Show changes since last approval in red

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

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

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**Course Prefix and Number:** APR - 111UM**# Credits:** 5**Contact hours**

Lecture (# of hours): 55  
Lec/lab (# of hours):  
Lab (# of hours):  
Total course hours: 55

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

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**Course Title:** Metering: Basics I**Course Description:**

In this course students will examine first-year apprentice responsibilities including job conduct, absenteeism, sexual harassment, drug use and safety. Also, students will begin the first step of electrical trade theory by reviewing math concepts including percentages, scientific notation, metric prefixes, ratios and proportions, and equations. As the lessons progress, electrical topics such as current, voltage, resistance, Ohm's Law, power, and DC series and parallel circuits will be introduced. Required: Student Petition.

---

**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):** Electrician Apprenticeship Technologies AAS

Are there prerequisites to this course?

**No**

Are there corequisites to this course?

**No**

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

**Yes**

**Recommendations:**

**Requirements:** Student Petition.

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**

Is this course equivalent to another?

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

**No**

Will this course appear in the college catalog?

**No**

Will this course appear in the schedule?

**No**

Student Learning Outcomes:

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

1. explain their academic responsibilities as an apprentice in this program;
2. summarize and demonstrate an understanding of the terms and conditions of their Apprenticeship Agreement;
3. solve math problems involving percentages, scientific notation, metric prefixes, ratios and proportions, and simple algebraic equations;
4. demonstrate skills in developing algebraic equations and formulas to solve word problems;
5. explain the fundamentals of electricity including current, voltage, resistance, and power;
6. cite specific electrical hazards;
7. describe safety codes and safety devices used by electrical workers;
8. use Ohm's Law to solve unknown values in an electrical DC series and parallel circuits;
9. use Kirchhoff's Laws to solve unknown values in electrical circuits.

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

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Major Topic Outline:

1. Understanding your apprenticeship and responsibilities.
2. Introduction to OSHA/1910.269.
3. Safety first, awareness of hazards specific to the job.
4. Math applications: percentages, solving equations, ratios and proportions, working with powers of 10 and metric prefixes.
5. Electrical energy sources and electrical devices.
6. Conductors, conductor resistance, and wattage loss.
7. Kirchhoff's Law.
8. Calculating resistance in DC series circuits.
9. Principles of magnetism.

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

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

Percent of course: 0%

First term to be offered:

**Specify term:** Fall 2014

## Clackamas Community College

### Online Course/Outline Submission System

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Show changes since last approval in red

#### Section #1 General Course Information

**Department:** Apprenticeship

**Submitter**

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

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**Course Prefix and Number:** APR - 111UW

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**# Credits:** 5

**Contact hours**

Lecture (# of hours): 55  
Lec/lab (# of hours):  
Lab (# of hours):  
Total course hours: 55

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

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**Course Title:** Basic Substation Wireman I

**Course Description:**

In this course, students will examine apprentice responsibilities including job conduct, absenteeism, sexual harassment, drug use and safety. Students will also begin the first step of electrical trade theory by studying basic math concepts, including whole numbers, fractions, decimals, percentages and equations. As the lessons progress, electrical components such as current, voltage, resistance, Ohm's Law and power will be introduced. This course is part of the NJATC Substation curriculum. Required: Student Petition.

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**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):** Electrician Apprenticeship Technologies AAS

Are there prerequisites to this course?

**No**

Are there corequisites to this course?

**No**

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

**Yes**

**Recommendations:**

**Requirements:** Student Petition.

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**

Is this course equivalent to another?

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

**No**

Will this course appear in the college catalog?

**No**

Will this course appear in the schedule?

**No**

Student Learning Outcomes:

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

1. explain the academic responsibilities of an apprentice in this program;
2. list and describe the terms and conditions of the Apprenticeship Agreement;
3. solve fundamental math problems involving subtraction, multiplication, division, fractions, decimals, and percentages;
4. develop algebraic equations and formulas to solve word problems;
5. explain the fundamentals of electricity including current, voltage, resistance, and power;
6. describe common electrical hazards;
7. discuss safety codes and safety devices used by electrical workers;
8. use Ohm's Law to solve unknown values in an electrical circuit;
9. identify various hand and power tools of the wireman trade.

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

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Major Topic Outline:

1. Understanding your apprenticeship and responsibilities.
2. Math basics with whole numbers.
3. Solving algebraic equations and formulas.
4. Introduction to OSHA/1910.269 and responsibility for safety.
5. Electrical hazards.
6. Safety codes and safety devices.
7. The electrical circuit and Ohm's Law.
8. Basic tools of the trade, their use and care.
9. Digger Derrick capabilities, rigging calculations and rigging hands-on using hand signals.

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

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

Percent of course: 0%

First term to be offered:

**Specify term:** Fall 2014

## Clackamas Community College

### Online Course/Outline Submission System

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Show changes since last approval in red

#### Section #1 General Course Information

**Department:** Apprenticeship

**Submitter**

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

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**Course Prefix and Number:** APR - 112UW

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**# Credits:** 5

**Contact hours**

Lecture (# of hours): 55  
Lec/lab (# of hours):  
Lab (# of hours):  
Total course hours: 55

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

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**Course Title:** Basic Substation Wireman II

**Course Description:**

Basic Substation Wireman II will build on the concepts of electrical trade theory and introduce students to the aspects of substation safety. Students will have the opportunity to use analog or digital meters to measure voltage, current, and resistance in DC circuits. Fundamentals of substation safety will be explored including responsibilities, personal protective equipment (PPE), fall protection, grounding and electrical hazard awareness. This course is part of the NJATC substation curriculum.

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**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):** Electrician Apprenticeship Technologies AAS

Are there prerequisites to this course?

**No**

Are there corequisites to this course?

**No**

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

**No**

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

**No**

Will this class use library resources?

**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?

✓ **Winter**

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. combine math skills with DC theory to solve problems involving series and parallel electrical circuits;
2. measure current in series and parallel circuits using either analog or digital meters;
3. explain electrical and substation hazards;
4. describe safety resources and safety devices used by electrical workers;
5. explain basic elements of substation construction including excavation, conduit, and underground cables;
6. explain how safety equipment such as protective line devices are used in substation construction;
7. list common Institute of Electrical and Electronics Engineers (IEEE) device numbers;
8. utilize substation prints and basic electrical tools to perform point-to-point wiring on a substation panel.

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

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Major Topic Outline:

1. DC Theory in electrical devices and parallel and series circuits;
2. Analog and digital meters and their use.
3. Substation hazards.
4. Safety resources and devices including PPE.
5. Substation construction, excavation and trenches.
6. Laying conduit and pulling cable.
7. Standards and device numbers.
8. Substation prints and basic tools for the job.

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

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

Percent of course: 0%

First term to be offered:

**Next available term after approval**

:

## Clackamas Community College

### Online Course/Outline Submission System

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Show changes since last approval in red

#### Section #1 General Course Information

**Department:** Education, Human Services & Criminal Justice

**Submitter**

First Name: Laurette  
Last Name: Scott  
Phone: 3840  
Email: laurette

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**Course Prefix and Number:** ED - 114

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**# Credits:** 3

**Contact hours**

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

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

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**Course Title:** Instructional Strategies for Integrated Math Across Curriculum

**Course Description:**

This course develops an understanding of how to integrate math concepts and skills into Career and Technical Education (CTE) courses and programs. Curriculum design and assessment for math concepts and skills are explored, identified, and developed. The importance of growth mindset and metacognition to the learning of math is investigated and curriculum for this is discussed. Designed for CTE instructors, but anyone interested in bringing more math into their classrooms could benefit from this class. Emphasis is placed on the role of math in the development of the whole student and on linking the CTE curriculum to the mathematics needed for students to be successful in their field.

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**Type of Course:** Lower Division Collegiate

Is this class challengeable?

**No**

Can this course be repeated for credit in a degree?

**No**

Is general education certification being sought at this time?

**No**

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

**Yes**

**Check which General Education requirement:**

✓ **Science & Computer Science**

✓ **Mathematics**

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

**Yes**

**Name of degree(s) and/or certificate(s):** Early Childhood Education & Family Studies AAS; Paraeducator Certificate

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?

**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 or Pass/No Pass

**Audit: Yes**

When do you plan to offer this course?

✓ **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?

**Yes**

Will this course appear in the schedule?

**Yes**

**Student Learning Outcomes:**

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

1. demonstrate a curiosity and confidence for problem-solving through contextualized mathematics;
  2. identify the math embedded in the CTE curriculum;
  3. identify the skills and concepts needed to solve contextualized mathematics problems in CTE;
  4. apply mathematical understanding to the context of teaching CTE;
  5. identify characteristics of both growth and fixed mindsets and how they relate to teaching and learning mathematics.
-

**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:**

- P** 1. Use appropriate mathematics to solve problems.
- P** 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**

1. Apply analytical skills to social phenomena in order to understand human behavior.
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**

- P** 1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.
- P** 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.

**Outcomes Assessment Strategies:**

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

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**Major Topic Outline:**

1. Developing Growth Mindset in teachers and students
  - a. The difference between fixed a growth mindset
  - b. Strategies for recognizing and mitigating math anxiety in teachers and students
  - c. Understanding the role of metacognition and self-talk in developing a growth mindset?
2. Optimize the math in the CTE curriculum.
  - a. Math as an essential workplace skill
  - b. Find math in applied CTE scenarios
3. CTE Math Curriculum Design
  - a. Create curriculum maps that identify the intersection of occupational content and math constructs/concepts.
  - b. Create curriculum and a classroom environment that support conceptual understanding and application of mathematics in context of CTE
4. Instructional Strategies
  - a. Problem solving strategies and how to teach them
  - b. Teaching strategies aligned for the needs of the secondary student
  - c. Understand the role of andragogy in the CTE curriculum
5. Assessment
  - a. Designing direct and indirect assessment tools that address both understanding and proficiency.

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

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

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)**

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

How does it transfer? (Check all that apply)

✓ **general elective**

:

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

✓ **Other. Please explain.**

Articulation agreement

First term to be offered:

**Next available term after approval**

:

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## Clackamas Community College

### Online Course/Outline Submission System

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Show changes since last approval in red

#### Section #1 General Course Information

**Department:** Education, Human Services & Criminal Justice

**Submitter**

First Name: Laurette  
Last Name: Scott  
Phone: 3840  
Email: laurette

---

**Course Prefix and Number:** ED - 169

---

**# Credits:** 3

**Contact hours**

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

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

---

**Course Title:** Overview of Students with Special Needs

**Course Description:**

Provides an introduction to the categories of disability described in the Individuals with Disabilities Education Act (IDEA). Topics include definitions under federal law, implications in school settings, and intervention strategies to meet students' special needs.

---

**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?



**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): ECE and Family Studies AAS; CTE Licensure Prep certificate**

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?

**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 or Pass/No Pass

**Audit: Yes**

When do you plan to offer this course?

✓ **Winter**

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. define disability categories eligible under IDEA and explain how each is identified,
2. research instructional strategies and community services available for students with special needs,
3. identify characteristics of specific disabilities and describe recommended educational practices and strategies,
4. explain possible concerns and perspectives of families of students with disabilities and strategies to build partnerships with families,
5. explain the purposes and principles of the Individuals with Disabilities Education Act of 2004 (IDEA).

---

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

---

**Major Topic Outline:**

1. Overview of history of special education, fundamental concepts and provisions of current federal special education legislation.
2. The special education process: members of the team, evaluation and eligibility, components of an Individualized Education Plan, placement in the Least Restrictive Environment, dispute resolution.
3. Early intervention and early child special education.
4. Multicultural and linguistic perspectives: how culture affects the learning process, disproportionate representation, recommended practices for diverse students.
5. Collaboration in special education: parent and family perspectives, strategies for working with parents and professionals.
6. Overview of special needs: definitions, prevalence, characteristics, identification, recommended educational practices
  - a. Learning disabilities,
  - b. Attention deficit-hyperactivity disorder,
  - c. Emotional and behavior disorders,
  - d. Intellectual and developmental disabilities,
  - e. Speech and language disorders,
  - f. Autism spectrum disorders,
  - g. Low-incidence disabilities: physical and health disabilities, severe and multiple disabilities, deaf and hearing impaired, visual impairments.

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

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

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)

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

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

SPED 480 at Portland State: Introduction to Early Intervention and Early Childhood Special Education

How does it transfer? (Check all that apply)

✓ **required or support for major**

✓ **general elective**

:

First term to be offered:

**Next available term after approval**

:

## Clackamas Community College

### Online Course/Outline Submission System

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Show changes since last approval in red

#### Section #1 General Course Information

**Department:** Education, Human Services & Criminal Justice

**Submitter**

First Name: Laurette

Last Name: Scott

Phone: 3840

Email: laurette

---

**Course Prefix and Number:** ED - 229

---

**# Credits:** 3

**Contact hours**

Lecture (# of hours): 33

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 33

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

---

**Course Title:** Learning & Development

**Course Description:**

Focuses on foundational ideas, concepts, principles, and theories in the field of educational psychology that have a significant influence on educational practice. Provides students with an overview of psychological theories regarding human development, intelligence, motivation, and the learning process. Students learn how to apply strategies and techniques derived from these theories in the classroom.

---

**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?

**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):** CTE Licensure Prep certificate

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?

**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 or Pass/No Pass

**Audit: Yes**

When do you plan to offer this course?

✓ **Winter**

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. compare and contrast theories of learning, memory, and cognitive development and their implications for classroom practice;
2. identify techniques to accommodate students' developmental differences and diversity;
3. explain how motivation affects both behavior and cognition in classroom settings;
4. demonstrate an understanding of major theories of personal, social, and moral development and how to promote development of prosocial behaviors in the classroom;
5. describe various assessment strategies and the use of different strategies for different purposes.

---

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

---

**Major Topic Outline:**

1. The impact of psychology on the field of education.
2. Learning and memory.
3. Social and cultural diversity.
4. Cognitive development.
5. Motivation theory.
6. Personal, social, and moral development.
7. Instructional and assessment strategies.
8. Effective classroom environments.

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

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

Percent of course: 0%

## **Section #2 Course Transferability**

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3. Will the course be accepted as part of the University's distribution requirements?

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

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

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

EDU 313, HDFS 311, ED 240, EDST 211, ED 242 or ED 231

How does it transfer? (Check all that apply)

✓ **required or support for major**

✓ **general elective**

:

First term to be offered:

**Next available term after approval**

:

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## Clackamas Community College

### Online Course/Outline Submission System

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Show changes since last approval in red

#### Section #1 General Course Information

**Department:** Education, Human Services & Criminal Justice

**Submitter**

First Name: Laurette  
Last Name: Scott  
Phone: 3840  
Email: laurette

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**Course Prefix and Number:** ED - 258

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**# Credits:** 3

**Contact hours**

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

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

---

**Course Title:** Multicultural Education

**Course Description:**

Covers the philosophy, activities, and techniques appropriate to a culturally relevant classroom for students from pre-Kindergarten through post-secondary. Emphasizes understanding the impact of culture on individual perception and learning and group dynamics.

---

**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?



**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):** CTE Licensure Prep certificate; Early Childhood Education & Family Studies certificate

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?

**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?

**Yes**

**Area:** Human Relations

**GRADING METHOD:**

A-F or Pass/No Pass

**Audit: Yes**

When do you plan to offer this course?

✓ **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?

**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 characteristics and purpose of education that is culturally relevant;
2. identify strategies for affirming cultural diversity in the classroom;
3. describe curriculum and instructional strategies which provide equal educational opportunities for diverse students;
4. identify legal and ethical issues related to multicultural education;
5. discuss the impact of an individual's culture on their performance in academic settings.

---

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

---

**Major Topic Outline:**

1. Foundations of multicultural education.
2. Ethnicity and race.
3. Class and socioeconomic status.
4. Gender identity.
5. Sexual orientation.
6. Exceptionality and ableism.
7. Language.
8. Religion.
9. Geography.
10. Youth culture.
11. Culturally relevant pedagogy.

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

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

Percent of course: 0%

## **Section #2 Course Transferability**

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

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

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

ED 130 Multicultural ED, ED 219 @ OSU, EDST 225 @ UO

How does it transfer? (Check all that apply)

✓ **required or support for major**

✓ **general elective**

:

First term to be offered:

**Next available term after approval**

:

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## Clackamas Community College

### Online Course/Outline Submission System

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Show changes since last approval in red

#### Section #1 General Course Information

**Department:** HTHS

**Submitter**

First Name: **Tana**  
Last Name: **Sawzak**  
Phone: **6025**  
Email: **tanas@clackamas.edu**

---

**Course Prefix and Number:** EMT - 109

---

**# Credits:** 2

**Contact hours**

Lecture (# of hours): 22  
Lec/lab (# of hours):  
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:** Emergency Response Communication/Documentation

**Course Description:**

Covers principles of communication via verbal, written and electronic modes in the provision of EMS. Documentation of the elements of patient assessment, patient care and transport, communication systems, radio types, reports, codes and correct techniques.

---

**Type of Course:** Career Technical Preparatory

Is this class challengeable?

**No**

Can this course be repeated for credit in a degree?

**No**

Is general education certification being sought at this time?

**No**

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

**No**

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

**Yes**

**Name of degree(s) and/or certificate(s):** Emergency Medical Technology

Are there prerequisites to this course?

**Yes**

**Pre-reqs:** EMT-101

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

**No**

Are there corequisites to this course?

**No**

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

**No**

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

**No**

Will this class use library resources?

**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?

✓ **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?

**Yes**

Will this course appear in the schedule?

**Yes**

Student Learning Outcomes:

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

1. use verbal and nonverbal skills when interviewing a patient;
2. describe the strategies for developing patient rapport;
3. differentiate interview techniques used for cooperative, hostile, special needs and cross-cultural patients;
4. describe the general principles regarding the importance of EMS documentation and ways in which documents are used;
5. record pertinent information using correct medical terminology, accurate medical abbreviations and acronyms and appropriate correction techniques in a narrative format utilized by local protocol;
6. describe the function of a dispatch center and the role of dispatchers;
7. list and describe the phases of communications necessary to complete a typical EMS event/call;
8. name the important components of an EMS communication system and the functions of each;
9. describe the purpose of and perform verbal communication of patient information to the hospital via radio, telephone and person to person;
10. request on-line medical directions/orders and document on-line directions/orders;
11. describe basic phone systems, universal access numbers (e.g. 911) and enhanced systems and list differences, advantages and disadvantages of each.

---

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

---

Major Topic Outline:

1. Communication.
  - a. Communication component of patient care.
  - b. Interview strategies.
  - c. Components of EMS radio and telephone systems.
  - d. State, federal and FCC regulations.
  - e. 911 systems.
  - f. Dispatch center operations.
  - g. Interagency communication, e.g. HEAR System, OLMC, ECC.
  - h. Medical control.
  - i. New technologies in EMS communication.
  - j. Professional perception/credibility.
2. Documentation.
  - a. Uses of EMS documentation.
  - b. Principles of power documentation.
  - c. Types of documentation: written, electronic, recording/dictation.
  - d. Document revision and correction.
  - e. Documentation of patient refusals.
  - f. Special considerations of a mass-casualty & documentation.
  - g. Professional perception/credibility.

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

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

Percent of course: 0%

First term to be offered:

**Next available term after approval**

:

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## Clackamas Community College

### Online Course/Outline Submission System

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Show changes since last approval in red

#### Section #1 General Course Information

**Department:** English

**Submitter**

First Name: **Ryan**  
Last Name: **Davis**  
Phone: **3258**  
Email: **ryand**

---

**Course Prefix and Number:** ENG - 195

---

**# 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:** American Film

**Course Description:**

This course will focus on the history and theory of American filmmaking from 1895 to the present. Film will be viewed as a visual language and an evolving art form that expresses and influences American culture.

---

**Type of Course:** Lower Division Collegiate

Is this class challengeable?

**No**

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:**✓ **Writing**✓ **Arts and Letters**

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

**Yes****Name of degree(s) and/or certificate(s):** AS in English degree

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-098 or placement in WR-121**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: Yes**

When do you plan to offer this course?

**✓ Winter**

Is this course equivalent to another?

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

**Yes**

Course Number: DMC-195 Title: American Film

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. demonstrate an understanding of the vocabulary of filmmaking; (AL1) (AL2)
  2. display a broad knowledge of the history of American film; (AL1) (AL2)
  3. exhibit command of the MLA research process;
  4. reveal comprehension of critical film theory; (AL1) (AL2)
  5. demonstrate the ability to analyze and critique film. (AL1) (AL2)
-

**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**

- P** 1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.
- P** 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**

- S** 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**

1. Apply analytical skills to social phenomena in order to understand human behavior.
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**
- ✓ **Thesis/Research Project**

:

**Major Topic Outline:**

1. Birth and childhood of a new art: 1895-1914.
2. Rise of the American film: 1914-1919.
3. Hollywood in the twenties: 1919-1929.
4. Hollywood in the thirties and forties: 1929-1945.
5. Hollywood in transition: 1945-1962.
6. American reemergence: 1963-1974.
7. Here and now: 1975-Present.

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

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

Percent of course: 0%

**Section #2 Course Transferability**

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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)**

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

How does it transfer? (Check all that apply)

✓ **general elective**

:

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

First term to be offered:

**Specify term:** Winter 2021

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## Clackamas Community College

### Online Course/Outline Submission System

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Show changes since last approval in red

#### Section #1 General Course Information

**Department:** English

**Submitter**

First Name: James

Last Name: Bryant-Trerise

Phone: 3255

Email: jamesb

---

**Course Prefix and Number:** ENG - 240

---

**# 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:** Native American Mythology

**Course Description:**

Explores Native American mythology and its cultural, social, and literary significance; views Native American mythology in its historical and geographic positions and in the larger context of world literary tradition; considers how studying myth affects and influences reading other works; introduces theoretical approaches to mythology and basic literary elements and terminology.

---

**Type of Course:** Lower Division Collegiate

Is this class challengeable?

**No**

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:**

✓ **Arts and Letters**

✓ **Cultural Literacy**

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-098 or placement in WR-121

**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: Yes**

When do you plan to offer this course?

**✓ Not every year**

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. demonstrate a perception of Native American mythology as a phenomenon of literary, cultural, aesthetic, political, and religious importance via their writing, discussion, and exams; (AL1) (AL2) (CL1)
  2. explain the geographic and literary origins of Native American mythology in writing and discussions; (AL1) (AL2) (CL1)
  3. identify and analyze, using writing and discussion, similarities and differences among Native American myths themselves and works of literature in other genres, as well as other works of art, forms of communication, and personal experience; (AL1) (AL2) (CL1)
  4. habituate themselves to the practice of active learning and collegial collaboration as the path to intellectual discovery, using skills such as close reading, note taking, research, discussion, presentation, questioning, and listening; (AL2)
  5. articulate in writing and discussion how knowledge of Native American mythology reflects and enables awareness of the diversity of human expression, meaning-making, and power structures; (CL1]
  6. construct and defend interpretations of Native American mythology based on class discussion and independent literary research; (AL1)
  7. write a well-organized and carefully edited paper using terms, definitions, and myth theory appropriately to analyze and/or compare elements of one or more myths. (AL1)
-



**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**

- P** 1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.
- P** 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**

- S** 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**

1. Apply analytical skills to social phenomena in order to understand human behavior.
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**

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

**Outcomes Assessment Strategies:**

- ✓ **Projects**
- ✓ **Writing Assignments**
- ✓ **Presentations**
- ✓ **Criteria**
- ✓ **Rubrics**

:

**Major Topic Outline:**

1. History of Native American mythic literature.
2. The major theoretical approaches to myth.
3. Effect of European encounter on Native American folklore.
4. The great myths: universal v. unique.
5. Mythologies of specific tribes.

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

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

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)**

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

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

How does it transfer? (Check all that apply)

✓ **general education or distribution requirement**

✓ **general elective**

:

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

✓ **Correspondence with receiving institution (mail, fax, email, etc.)**

✓ **Other. Please explain.**

catalog examinations. Also, on January 31, 2014, Ryan Davis and I met at OSU with Louie Bottaro (College of Liberal Arts Head Advisor) and Steven Kunert at OSU (English Department Undergraduate Advisor). During this meeting we specifically asked whether or not the mythology courses would transfer. They said those courses would transfer as general electives.

First term to be offered:

**Next available term after approval**

:

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## Clackamas Community College

### Online Course/Outline Submission System

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Show changes since last approval in red

#### Section #1 General Course Information

**Department:** English

**Submitter**

First Name: James  
Last Name: Bryant-Trerise  
Phone: 3255  
Email: jamesb

---

**Course Prefix and Number:** ENG - 241

---

**# 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:** Norse Mythology

**Course Description:**

Explores Norse mythology and its cultural, social, and literary significance; views Norse mythology in its historical and geographic positions and in the larger context of Western literary traditions; introduces theoretical approaches to mythology and basic literary elements and terminology; considers how studying myth affects and influences reading other works; connects Norse myth to medieval European and modern fantasy literature.

---

**Type of Course:** Lower Division Collegiate

Is this class challengeable?

**No**

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:**

✓ **Arts and Letters**

✓ **Cultural Literacy**

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-098 or placement in WR-121

**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: Yes**

When do you plan to offer this course?

**✓ Not every year**

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. demonstrate a perception of Norse mythology as a phenomenon of cultural, aesthetic, political, and religious importance via their writing, discussion, and exams; (AL1) (AL2) (CL1)
  2. explain the geographic and literary origins of Norse mythology in writing and discussions; (AL1) (AL2) (CL1)
  3. identify and analyze, using writing and discussion, similarities and differences between myths and works of literature in other genres, as well as other works of art, forms of communication, and personal experience; (AL1) (AL2) (CL1)
  4. habituate themselves to the practice of active learning and collegial collaboration as the path to intellectual discovery, using skills such as close reading, note taking, research, discussion, presentation, questioning, and listening; (AL2)
  5. articulate in writing and discussion how knowledge of Norse mythology reflects and enables awareness of the diversity of human expression, meaning-making, and power structures; (CL1)
  6. construct and defend interpretations of Norse mythology based on class discussion and independent literary research; (AL1)
  7. write a well-organized and carefully edited paper using terms, definitions, and myth theory appropriately to analyze and/or compare elements of one or more myths. (AL1)
-

Clackamas Community College Online Course/Outline Submission System  
**AAOT/ASOT GENERAL EDUCATION OUTCOMES**  
**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**

- P** 1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.
- P** 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**

- P** 1. Engage in ethical communication processes that accomplish goals.
- P** 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**

- S** 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**

1. Apply analytical skills to social phenomena in order to understand human behavior.
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**

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

**Outcomes Assessment Strategies:**✓ **General Examination**✓ **Writing Assignments**✓ **Presentations**✓ **Criteria**✓ **Rubrics**✓ **Journal Writing**

:

**Major Topic Outline:**

1. The origins and development of Norse myth.
2. Cultural background of Norse myth.
3. Myths of creation and destruction.
4. Myths of deities.
5. Heroic legends and sagas.
6. Connection of Norse myth to medieval European and modern fantasy literature.
7. The sources of Norse myth:
  - a. The Poetic Edda.
  - b. The Prose Edda.
  - c. Sagas of legendary characters.
  - d. Selected Icelandic sagas.
8. Myth Theory.

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

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

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)**



**✓ OSU (Oregon State University)**

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

SCAN 343, "Norse Mythology" (Univ of Oregon)

ENG 319, "Northern European Mythology" (PSU)

How does it transfer? (Check all that apply)

**✓ general elective**

:

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

**✓ Other. Please explain.**

On January 31, 2014, Ryan Davis and I met at OSU with Louie Bottaro (College of Liberal Arts Head Advisor) and Steven Kunert at OSU (English Department Undergraduate Advisor). During this meeting we specifically asked whether or not the mythology courses would transfer. They said those courses would transfer as general electives.

First term to be offered:

**Specify term:** 2021 Spring

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## Clackamas Community College

### Online Course/Outline Submission System

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Show changes since last approval in red

#### Section #1 General Course Information

**Department:** English

**Submitter**

First Name: James  
Last Name: Bryant-Trerise  
Phone: 3255  
Email: jamesb

---

**Course Prefix and Number:** ENG - 250

---

**# 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:** Greek Mythology

**Course Description:**

Explores the historical, cultural, social, and literary significance of Greek myths; views Greek mythology in its historical and geographic positions and in the larger context of Western civilization and literary tradition; considers how studying myth affects and influences reading other works; introduces theoretical approaches to mythology and basic literary elements and terminology.

---

**Type of Course:** Lower Division Collegiate

Is this class challengeable?

**No**

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:**

✓ **Arts and Letters**

✓ **Cultural Literacy**

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-098 or placement in WR-121

**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: 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. demonstrate a perception of Greek mythology as a phenomenon of literary, cultural, aesthetic, political, and religious importance via their writing, discussion, and exams; (AL1) (AL2) (CL1)
  2. explain the geographic and literary origins of the Greek mythology in writing and discussions; (AL1) (AL2) (CL1)
  3. identify and analyze, using writing and discussion, similarities and differences among Greek myths themselves and works of literature in other genres, as well as other works of art, forms of communication, and personal experience; (AL1) (AL2) (CL1)
  4. habituate themselves to the practice of active learning and collegial collaboration as the path to intellectual discovery, using skills such as close reading, note taking, research, discussion, presentation, questioning, and listening; (AL2)
  5. articulate in writing and discussion how knowledge of Greek mythology reflects and enables awareness of the diversity of human expression, meaning-making, and power structures; (CL1)
  6. construct and defend interpretations of Greek mythology based on class discussion and independent literary research; (AL1)
  7. write a well-organized and carefully edited paper using terms, definitions, and myth theory appropriately to analyze and/or compare elements of one or more myths. (AL1)
-

Clackamas Community College Online Course/Outline Submission System  
**AAOT/ASOT GENERAL EDUCATION OUTCOMES**  
**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**

- P** 1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.
- P** 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**

- P** 1. Engage in ethical communication processes that accomplish goals.
- P** 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**

- S** 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**

1. Apply analytical skills to social phenomena in order to understand human behavior.
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**

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

**Outcomes Assessment Strategies:**

- ✓ **Presentations**
  - ✓ **Criteria**
  - ✓ **Rubrics**
- ✓ **Projects**
  - ✓ **Writing Assignments**

:

**Major Topic Outline:**

1. The origins, development, and cultural background of Greek myth.
2. Male and female deities; types of deities and mythical creatures.
3. Structures and archetypes of myth (such as the hero's journey).
4. Form: epic poetry, drama, etc.
5. Literary and critical frameworks for understanding mythology.
6. Comparisons between Greek mythology and other mythological traditions.

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

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

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)

- ✓ **OSU (Oregon State University)**

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

## ENG 215 Classical Mythology

How does it transfer? (Check all that apply)

**general education or distribution requirement**

:

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

**Other. Please explain.**

OSU catalog: the course is listed as satisfying their baccalaureate core requirements

First term to be offered:

**Next available term after approval**

:

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## Clackamas Community College

### Online Course/Outline Submission System

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Show changes since last approval in red

#### Section #1 General Course Information

**Department:** English

**Submitter**

First Name: James

Last Name: Bryant-Trerise

Phone: 3255

Email: jamesb

---

**Course Prefix and Number:** ENG - 251

---

**# 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:** Celtic Mythology

**Course Description:**

Explores the historical, cultural, social, and literary significance of Celtic myths; views Celtic mythology in its historical and geographic positions and in the larger context of Western civilization and literary tradition; considers how studying myth affects and influences reading other works; introduces theoretical approaches to mythology and basic literary elements and terminology.

---

**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:**

✓ **Arts and Letters**

✓ **Cultural Literacy**

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-098 or placement in WR-121

**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 or Pass/No Pass

**Audit: Yes**

When do you plan to offer this course?

**✓ Not every year**

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. demonstrate a perception of Celtic mythology as a phenomenon of literary, cultural, aesthetic, political, and religious importance via their writing, discussion, and exams; (AL1) (AL2) (CL1)
  2. explain the geographic and literary origins of Celtic mythology in writing and discussions; (AL1) (AL2) (CL1)
  3. identify and analyze, using writing and discussion, similarities and differences among Celtic myths themselves and works of literature in other genres, as well as other works of art, forms of communication, and personal experience; (AL1) (AL2) (CL1)
  4. habituate themselves to the practice of active learning and collegial collaboration as the path to intellectual discovery, using skills such as close reading, note taking, research, discussion, presentation, questioning, and listening; (AL2)
  5. articulate in writing and discussion how knowledge of Celtic mythology reflects and enables awareness of the diversity of human expression, meaning-making, and power structures; (CL1)
  6. construct and defend interpretations of Celtic mythology based on class discussion and independent literary research; (AL1)
  7. write a well-organized and carefully edited paper using terms, definitions, and myth theory appropriately to analyze and/or compare elements of one or more myths. (AL1)
-

Clackamas Community College Online Course/Outline Submission System  
**AAOT/ASOT GENERAL EDUCATION OUTCOMES**  
**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**

- P** 1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.
- P** 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**

- P** 1. Engage in ethical communication processes that accomplish goals.
- P** 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**

- S** 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**

1. Apply analytical skills to social phenomena in order to understand human behavior.
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**

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

**Outcomes Assessment Strategies:**

- ✓ **Projects**
- ✓ **Writing Assignments**
- ✓ **Presentations**
- ✓ **Criteria**
- ✓ **Rubrics**

:

**Major Topic Outline:**

1. The origins and development of Celtic myth.
2. Cultural background of Celtic peoples.
3. The Celtic pantheon.
4. The Irish epics: Tain Bo Cuailnge and Finn Cycle.
5. The Irish Hero: CuChulainn.
6. Irish themes.
7. Welsh myth cycles: The Mabinogion.
8. Sources of Celtic myth.
9. Myth Theory and Literary Criticism.
10. The Celtic legacy.

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

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

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)

**✓ OSU (Oregon State University)**

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

How does it transfer? (Check all that apply)

**✓ general elective**

:

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

**✓ Other. Please explain.**

On January 31, 2014, Ryan Davis and I met at OSU with Louie Bottaro (College of Liberal Arts Head Advisor) and Steven Kunert at OSU (English Department Undergraduate Advisor). During this meeting we specifically asked whether or not the mythology courses would transfer. They said those courses would transfer as general electives.

First term to be offered:

**Next available term after approval**

:

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## Clackamas Community College

### Online Course/Outline Submission System

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Show changes since last approval in red

#### Section #1 General Course Information

**Department:** English

**Submitter**

First Name: James

Last Name: Bryant-Trerise

Phone: 3255

Email: jamesb

---

**Course Prefix and Number:** ENG - 252

---

**# 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:** Hindu Mythology

**Course Description:**

Explores the historical, cultural, social, and literary significance of Hindu myths; views Hindu mythology in its historical and geographic positions and in the larger context of world civilization and literary tradition; considers how studying myth affects and influences reading other works; introduces theoretical approaches to mythology and basic literary elements and terminology.

---

**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:**

✓ **Arts and Letters**

✓ **Cultural Literacy**

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-098 or placement in WR-121

**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 or Pass/No Pass

**Audit: Yes**

When do you plan to offer this course?

**✓ Not every year**

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. demonstrate a perception of Hindu mythology as a phenomenon of literary, cultural, aesthetic, political, and religious importance via their writing, discussion, and exams; (AL1) (AL2) (CL1)
  2. explain the geographic and literary origins of Hindu mythology in writing and discussions; (AL1) (AL2) (CL1)
  3. identify and analyze, using writing and discussion, similarities and differences among Hindu myths themselves and works of literature in other genres, as well as other works of art, forms of communication, and personal experience; (AL1) (AL2) (CL1)
  4. habituate themselves to the practice of active learning and collegial collaboration as the path to intellectual discovery, using skills such as close reading, note taking, research, discussion, presentation, questioning, and listening; (AL2)
  5. articulate in writing and discussion how knowledge of Hindu mythology reflects and enables awareness of the diversity of human expression, meaning-making, and power structures; (CL1]
  6. construct and defend interpretations of Hindu mythology based on class discussion and independent literary research; (AL1)
  7. write a well-organized and carefully edited paper using terms, definitions, and myth theory appropriately to analyze and/or compare elements of one or more myths. (AL1)
-



Clackamas Community College Online Course/Outline Submission System  
**AAOT/ASOT GENERAL EDUCATION OUTCOMES**  
**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**

- P** 1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.
- P** 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**

- P** 1. Engage in ethical communication processes that accomplish goals.
- P** 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**

- S** 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**

1. Apply analytical skills to social phenomena in order to understand human behavior.
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**

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

**Outcomes Assessment Strategies:**

- ✓ **Presentations**
  - ✓ **Criteria**
  - ✓ **Rubrics**
- ✓ **Projects**
  - ✓ **Writing Assignments**

:

**Major Topic Outline:**

1. The origins and development of Hindu myth.
2. Cultural background.
3. The Hindu pantheon.
4. The Hindu epics.
5. Hindu themes.
6. Sources of Hindu myth.
7. Myth theory.

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

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

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)

✓ **OSU (Oregon State University)**

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

How does it transfer? (Check all that apply)

✓ **general elective**

:

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

✓ **Other. Please explain.**

On January 31, 2014, Ryan Davis and I met at OSU with Louie Bottaro (College of Liberal Arts Head Advisor) and Steven Kunert at OSU (English Department Undergraduate Advisor). During this meeting we specifically asked whether or not the mythology courses would transfer. They said those courses would transfer as **general** electives.

First term to be offered:

**Specify term:** 2021 Winter

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## Clackamas Community College

### Online Course/Outline Submission System

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Show changes since last approval in red

#### Section #1 General Course Information

**Department:** English

**Submitter**

First Name: Taylor

Last Name: Donnelly

Phone: 6159

Email: tdonnelly@clackamas.edu

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**Course Prefix and Number:** ENG - 260

---

**# 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 Women Writers

**Course Description:**

The study of the works (e.g. plays, poems, fiction, new media) created by women writers, both classic and contemporary, with an emphasis on women's evolving social, historical, and economic roles.

---

**Type of Course:** Lower Division Collegiate

Is this class challengeable?

**No**

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:**

✓ **Arts and Letters**

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-098 or placement in WR-121

**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 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. identify and analyze the formal and cultural elements within plays, poems, fiction, and/or new media created by women; (AL1)
  2. evaluate the historical, economic, and social forces that influence women's lives and women's writing; (AL1)
  3. summarize, apply, and assess past and current literary criticism, advanced by and about women writers; (AL2)
  4. create written and/or other materials to discuss the interaction of culture and gender in the production and reception of texts; (AL1)
  5. construct and defend interpretations of women's literature based on class discussion and independent literary research. (AL1)(AL2)
-

**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**

- S** 1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.
- S** 2. Locate, evaluate, and ethically utilize information to communicate effectively.
- S** 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**

- S** 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**

1. Apply analytical skills to social phenomena in order to understand human behavior.
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**
- ✓ **Presentations**
- ✓ **Thesis/Research Project**
- ✓ **Rubrics**
- ✓ **Projects**
- ✓ **Writing Assignments**
- ✓ **Portfolios**

:

**Major Topic Outline:**

1. A history of women's economic and social roles (in the West and elsewhere) and discussion of how those roles limit access to education, publishing, and critical reputation.
2. Women "in the margins": how to find and re-evaluate women's writing despite a history of erasure.
3. Women "breaking through": major and minor women writers in multiple genres of writing.
4. Undoing western supremacy: global women writers and their influence through history and today.
5. Literary and cultural criticism by and about women.

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

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

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)**

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



ENG 260 Women Writers at PSU

How does it transfer? (Check all that apply)

**required or support for major**

**general elective**

:

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

**Correspondence with receiving institution (mail, fax, email, etc.)**

First term to be offered:

**Next available term after approval**

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## Clackamas Community College

### Online Course/Outline Submission System

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#### Section #1 General Course Information

**Department:** EHCJ

**Submitter**

First Name: Yvonne

Last Name: Smith

Phone: 3207

Email: yvones

---

**Course Prefix and Number:** GRN - 179

---

**# Credits:** 1

**Contact hours**

Lecture (# of hours): 11

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 11

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:** Careers in Gerontology

**Course Description:**

This course provides students an introduction to the multidisciplinary field of gerontology. Focus will be on the varied areas students can utilize a gerontology education including healthcare, housing, fitness, community development, and advocacy.

---

**Type of Course:** Career Technical Preparatory

Is this class challengeable?

**Yes**

Can this course be repeated for credit in a degree?

**No**

Is general education certification being sought at this time?

**No**

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

**No**

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

**Yes**

**Name of degree(s) and/or certificate(s):** Gerontology Certificate of Completion

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?

**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 or Pass/No Pass

**Audit: Yes**

When do you plan to offer this course?

✓ **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?

**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 gerontology as a field of study;
2. list various careers in the gerontology field;
3. discuss the impact of an aging population on industries outside the gerontology field;
4. articulate their own goals for working with older adults.

---

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

---

**Major Topic Outline:**

1. What is Gerontology?
2. Aging demographics.
3. Careers in traditional gerontology settings.
4. Careers in non-traditional settings.
5. Creating a career path in gerontology.

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

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

Percent of course: 0%

**First term to be offered:**

**Next available term after approval**

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## Clackamas Community College

### Online Course/Outline Submission System

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#### Section #1 General Course Information

**Department:** Education, Human Services & Criminal Justice

**Submitter**

First Name: Dawn

Last Name: **Hendricks**

Phone: 6158

Email: dawn.hendricks

---

**Course Prefix and Number:** HDF - 225

---

**# Credits:** 3

**Contact hours**

Lecture (# of hours): 33

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 33

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

---

**Course Title:** Prenatal, Infant & Toddler Development

**Course Description:**

Explores the principles of child development, prenatal through three years of age. Emphasis will be placed on the physical, cognitive, and social-emotional development of young children.

---

**Type of Course:** Career Technical Preparatory

Is this class challengeable?

**Yes**

Can this course be repeated for credit in a degree?

**No**

Is general education certification being sought at this time?

**No**

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

**Yes**

**Check which General Education requirement:**

✓ **Writing**

✓ **Oral Communication**

✓ **Social Science**

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

**Yes**

**Name of degree(s) and/or certificate(s):** Early Childhood Education & Family Studies AAS

Are there prerequisites to this course?

**No**

Are there corequisites to this course?

**No**

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

**No**

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

**No**

Will this class use library resources?

**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 or Pass/No Pass

**Audit: Yes**

When do you plan to offer this course?

✓ **Fall**

Is this course equivalent to another?

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

**No**

Will this course appear in the college catalog?

**Yes**

Will this course appear in the schedule?

**Yes**

**Student Learning Outcomes:**

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

1. explain the different theories used to explain prenatal and early childhood development,
  2. describe the milestones of prenatal development and the influencing factors on the development of the fetus,
  3. summarize the sequence of physical development for children birth through three years of age,
  4. describe the process of brain development and cognitive functioning for children birth through three years of age,
  5. discuss the milestones of language and literacy development birth through three years of age,
  6. identify major social and emotional milestones during the infant and toddler years,
  7. explain how language and culture influence development and child rearing practices,
  8. summarize how socio-cultural and economic factors influence the child and family.
-

**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.

**P** 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.

**P** 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**

**P** 1. Apply analytical skills to social phenomena in order to understand human behavior.

**P** 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.



**Outcomes Assessment Strategies:**

✓ **Projects**

✓ **Presentations**

✓ **Rubrics**

:

**Major Topic Outline:**

1. Theories of human development.
2. Pregnancy and prenatal development.
3. The Family at Birth
4. Birth and the newborn baby.
5. Brain, perceptual and motor development during the first year
6. Social-emotional development during the first year
7. Cognitive, language and literacy development during the first year
8. Physical development and health from 1-3 years old.
9. Cognitive development during the first three years.
10. Psycho-social development during the first three years.

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

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

Percent of course: 0%

**First term to be offered:**

**Next available term after approval**

:

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## Clackamas Community College

### Online Course/Outline Submission System

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#### Section #1 General Course Information

**Department:** IDTD

**Submitter**

First Name: Mike  
Last Name: Mattson  
Phone: 3322  
Email: mattsonm

---

**Course Prefix and Number:** IMT - 120

---

**# Credits:** 3

**Contact hours**

Lecture (# of hours):  
Lec/lab (# of hours): 66  
Lab (# of hours):  
Total course hours: 66

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:** Industrial Machinery I

**Course Description:**

This course will introduce students to industrial machinery and power equipment with respect to industrial maintenance. Students will learn the fundamentals of electro-mechanical machinery repair, assembly and disassembly and how to work safely around mechanical equipment and power tools. Topics discussed will include hand and power tools, preventative maintenance, power transmission systems, fasteners and torque.

---

**Type of Course:** Career Technical Preparatory

Is this class challengeable?

**Yes**

Can this course be repeated for credit in a degree?

**No**

Is general education certification being sought at this time?

**No**

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

**No**

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

**Yes**

**Name of degree(s) and/or certificate(s):** IMT

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:** MTH-050 or higher

**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 or Pass/No Pass

**Audit: Yes**

When do you plan to offer this course?

✓ **Winter**

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. demonstrate proper use of mechanical hand tools for assembly and disassembly of machinery,
2. troubleshoot and repair elementary mechanical drive components,
3. interpret the Unified (US customary) and ISO thread systems to accurately measure and identify threads,
4. identify, install and torque fasteners to standard specifications and repair damaged threads,
5. perform layout and assembly of devices crafted from a variety of industrial materials,
6. demonstrate the proper use of fixed and portable power tools to safely and accurately fabricate components,
7. describe and specify power transmission system components including flexible belts, roller chains, bearing, gears and variable speed drives;
8. identify and apply common lubricants, gaskets and seals.

---

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

---

**Major Topic Outline:**

1. Hand tool identification and use
2. Power tool operations
3. Thread systems and measurement
4. Threads and fasteners
5. Thread repair
6. Mechanical drive systems
7. Bearings and seals
8. Lubrication
9. Preventative maintenance planning and operation

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

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

Percent of course: 0%

**First term to be offered:**

**Specify term:** 2017/WI

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## Clackamas Community College

### Online Course/Outline Submission System

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Show changes since last approval in red

#### Section #1 General Course Information

**Department:** HLPE

**Submitter**

First Name: Tracy  
Last Name: Nelson  
Phone: 3274  
Email: tracyn

---

**Course Prefix and Number:** PE - 194

---

**# Credits:** 1

**Contact hours**

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

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

---

**Course Title:** Professional Activities

**Course Description:**

Team skills and strategy courses. Designed to provide the student with basic skills and methodology necessary to conduct physical fitness programs in the school, corporate, and community setting. Emphasis is placed on fitness concepts, techniques of weight training and aerobic exercises to encourage life-long physical activity. Course offerings are: baseball, basketball, cross-country, soccer, softball, track and field, volleyball, and wrestling. Required: Student Petition.

---

**Type of Course:** Lower Division Collegiate

**Is this class challengeable?**

**No**

**Can this course be repeated for credit in a degree?**

**No**

Is general education certification being sought at this time?

**No**

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

**No**

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

**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:**

**Requirements:** Student Petition

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?

**Yes**

**Area:** Physical Education/Health

**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?

**No**

Will this course appear in the schedule?

**Yes**

Student Learning Outcomes:

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

1. demonstrate their understanding of basic skills and methodology necessary to conduct a safe fitness program,
2. demonstrate basic knowledge and implementation of fitness testing.

---

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

---

Major Topic Outline:

1. Pre/Post Fitness Tests.
  - a. Strength and Cardiovascular Training.
  - b. Flexibility.
  - c. Body Composition.
2. Principles of conditioning.
3. Injury prevention.
4. Nutrition and Performance.

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

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

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)



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

How does it transfer? (Check all that apply)

✓ **general elective**

:

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:** HLPE

**Submitter**

First Name: Tracy  
Last Name: Nelson  
Phone: 3274  
Email: tracyn

---

**Course Prefix and Number:** PE - 294

---

**# Credits:** 1

**Contact hours**

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

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

---

**Course Title:** Professional Activities

**Course Description:**

Advanced team skills and strategy courses. Designed to provide the student with basic skills and methodology necessary to conduct physical fitness programs in the school, corporate, and community setting. Emphasis is placed on fitness concepts, techniques of weight training and aerobic exercises to encourage life-long physical activity. Course offerings are: baseball, basketball, cross-country, soccer, softball, track and field, volleyball, and wrestling. Required: Student Petition.

---

**Type of Course:** Lower Division Collegiate

Is this class challengeable?

**No**

Can this course be repeated for credit in a degree?

**No**

Is general education certification being sought at this time?

**No**

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

**No**

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

**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:**

**Requirements:** Student Petition

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?

**Yes**

**Area:** Physical Education/Health

**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?

**No**

Will this course appear in the schedule?

**Yes**

Student Learning Outcomes:

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

1. demonstrate their understanding of basic skills and methodology necessary to conduct a safe fitness program,
2. demonstrate basic knowledge and implementation of fitness testing.

---

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

---

Major Topic Outline:

1. Pre/Post Fitness Tests.
  - a. Strength and Cardiovascular Training.
  - b. Flexibility.
  - c. Body Composition.
2. Principles of conditioning.
3. Injury prevention.
4. Nutrition and Performance

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

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

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)

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

How does it transfer? (Check all that apply)

✓ **general elective**

:

First term to be offered:

**Next available term after approval**

:

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## Clackamas Community College

### Online Course/Outline Submission System

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Show changes since last approval in red

#### Section #1 General Course Information

**Department:** English

**Submitter**

First Name: Amanda

Last Name: Coffey

Phone: 3257

Email: amandac

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**Course Prefix and Number:** WR - 140

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**# 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 Writing Creatively

**Course Description:**

Guides students through the discussion and practice of writing creatively in many genres and formats, primarily poetry, fiction, drama, and creative non-fiction in a workshop format. May also include screenwriting, digital story telling, film, and performance genres.

---

**Type of Course:** Lower Division Collegiate

Is this class challengeable?

**No**

Can this course be repeated for credit in a degree?

**No**

Is general education certification being sought at this time?

**No**

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

**No**

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

**Yes**

**Name of degree(s) and/or certificate(s):** AS Degree in English

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-098 or placement in WR-121

**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?

✓ **Summer**

✓ **Fall**

✓ **Winter**

Is this course equivalent to another?

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

**No**

Will this course appear in the college catalog?

**Yes**

Will this course appear in the schedule?

**Yes**

**Student Learning Outcomes:**

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

1. recognize and name the basic elements of multiple genres, including poetry, fiction, drama, and creative non-fiction;
2. identify and employ the core elements of craft: image, voice, character, setting, and story;
3. recognize and analyze a personal writing process, including drafting and revision;
4. provide and accept constructive feedback through the writing workshop;
5. understand and demonstrate the standards for submitting polished/portfolio work.

---

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

---

**Major Topic Outline:**

1. The four major genres: fiction, poetry, creative non-fiction, and drama.
2. The elements of craft: image, voice, character, setting, and story.
3. Writing practice: heuristics, draft development, and revision.
4. Workshop format and protocol.
5. Portfolio: Standard formats for submitting finished work.

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

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

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)**  **UO (University of Oregon)**

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

How does it transfer? (Check all that apply)

**general elective**

:

First term to be offered:

**Next available term after approval**

:

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**January 15, 2021**

<b>Course</b>	<b>Current Hours/Credits</b>	<b>Proposed Hours/Credits</b>
AM-129	154 LE/LA; 7 Credits	100 LE/LA; 5 Credits
AM-130	154 LE/LA; 7 Credits	100 LE/LA; 5 Credits
AM-131	154 LE/LA; 7 Credits	100 LE/LA; 5 Credits
AM-133	154 LE/LA; 7 Credits	100 LE/LA; 5 Credits
AM-223	72 LE/LA; 3 Credits	100 LE/LA; 5 Credits
AM-224	88 LE/LA; 4 Credits	100 LE/LA; 5 Credits
AM-235	154 LE/LA; 7 Credits	100 LE/LA; 5 Credits
AM-245	154 LE/LA; 7 Credits	100 LE/LA; 5 Credits

## Clackamas Community College

### Online Course/Outline Submission System

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Show changes since last approval in red

#### Section #1 General Course Information

**Department:** AUWD

**Submitter**

First Name: Jay  
Last Name: Leuck  
Phone: 3052  
Email: jayl

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**Course Prefix and Number:** AM - 129

---

**# Credits:** 5

**Contact hours**

Lecture (# of hours):  
Lec/lab (# of hours): 100  
Lab (# of hours):  
Total course hours: 100

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:** Electrical Systems I

**Course Description:**

This course is designed to provide students with the entry-level skills necessary to repair automobile electrical systems. Students will learn about general electrical systems diagnosis; servicing and repair of batteries, starting systems, and charging systems.

---

**Type of Course:** Career Technical Preparatory

Is this class challengeable?

**Yes**

Can this course be repeated for credit in a degree?

**No**

Is general education certification being sought at this time?

**No**

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

**No**

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

**Yes**

**Name of degree(s) and/or certificate(s):** Automotive Service Technology AAS Degree

Are there prerequisites to this course?

**No**

Are there corequisites to this course?

**Yes**

**Co-reqs:** AM-101, AM-130

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: Yes**

When do you plan to offer this course?

✓ **Fall**

Is this course equivalent to another?

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

**No**

Will this course appear in the college catalog?

**Yes**

Will this course appear in the schedule?

**Yes**

**Student Learning Outcomes:**

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

1. discuss and diagnose general electrical systems;
2. perform battery diagnosis and service;
3. diagnose and repair starting systems;
4. diagnose and repair charging systems.

---

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

---

**Major Topic Outline:**

1. Electrical fundamentals
3. Electrical circuits and Ohm's Law
4. Series, parallel, and series-parallel circuits
5. Circuit testers and digital meters
6. Automotive wiring and wiring repair
7. Wiring schematics and circuit testing
8. Magnetism and electromagnetism
9. Batteries: testing and service
10. Cranking system: diagnosis and service
11. Charging system: diagnosis and service

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

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

Percent of course: 0%

**First term to be offered:**

**Specify term:** Fall 2021

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## Clackamas Community College

### Online Course/Outline Submission System

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Show changes since last approval in red

#### Section #1 General Course Information

**Department:** AUWD

**Submitter**

First Name: Nick  
Last Name: Miller  
Phone: 3054  
Email: nickmil

---

**Course Prefix and Number:** AM - 130

---

**# Credits:** 5

**Contact hours**

Lecture (# of hours):  
Lec/lab (# of hours): 100  
Lab (# of hours):  
Total course hours: 100

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:** Brake Systems

**Course Description:**

In this theory and lab course students will learn about the construction and operation of basic hydraulics, brake fluids, friction materials, seals, disc and drum brakes, hydraulic and vacuum brake boosters systems. Students will also learn to service and repair automotive brake systems.

---

**Type of Course:** Career Technical Preparatory

Is this class challengeable?

**Yes**

Can this course be repeated for credit in a degree?

**No**

Is general education certification being sought at this time?

**No**

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

**No**

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

**Yes**

**Name of degree(s) and/or certificate(s):** Automotive Technology AAS Degree

Are there prerequisites to this course?

**No**

Are there corequisites to this course?

**Yes**

**Co-reqs:** AM-101, AM-129

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

**No**

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

**No**

Will this class use library resources?

**Yes**

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

**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?

✓ **Fall**

Is this course equivalent to another?

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

**No**

Will this course appear in the college catalog?

**Yes**

Will this course appear in the schedule?

**Yes**

Student Learning Outcomes:

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

1. demonstrate the fundamentals of brake service;
2. service and repair brake hydraulic systems;
3. service and repair drum brake systems;
4. service and repair disc brake systems;
5. service and repair park brake systems;
6. service and repair power brake systems;
7. diagnose brake systems.

---

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

---

Major Topic Outline:

1. fundamentals of brake service and repair.
2. brake hydraulic system service and repair.
3. drum brake system service and repair.
4. disc brake system service and repair.
5. park brake system service and repair.
6. power brake system service and repair.
7. brake system diagnosis

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

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

Percent of course: 0%

First term to be offered:

**Specify term: Fall 2021**

---



## Clackamas Community College

### Online Course/Outline Submission System

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Show changes since last approval in red

#### Section #1 General Course Information

**Department:** AUWD

**Submitter**

First Name: Nick  
Last Name: Miller  
Phone: 3054  
Email: nickmil

---

**Course Prefix and Number:** AM - 131

---

**# Credits:** 5

**Contact hours**

Lecture (# of hours):  
Lec/lab (# of hours): 100  
Lab (# of hours):  
Total course hours: 100

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:** Chassis Systems

**Course Description:**

In this theory and lab course, students will learn the design, construction, service, and repair of front and rear suspension systems, wheels and tires, steering systems, and alignments. Students will service and repair these systems in the hands-on lab.

---

**Type of Course:** Career Technical Preparatory

Is this class challengeable?

**Yes**

Can this course be repeated for credit in a degree?

**No**

Is general education certification being sought at this time?

**No**

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

**No**

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

**Yes**

**Name of degree(s) and/or certificate(s):** Automotive Technology AAS Degree

Are there prerequisites to this course?

**No**

Are there corequisites to this course?

**Yes**

**Co-reqs:** AM-133. Not required for Certificate students

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

**No**

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

**No**

Will this class use library resources?

**Yes**

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

**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?

✓ **Winter**

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. demonstrate the fundamentals of service and repair of chassis systems;
2. service and repair wheel and tire assemblies;
3. service and repair front and rear-wheel steering systems;
4. service and repair front and rear suspension systems;
5. align front and rear suspension and steering systems;
5. install aftermarket alignment kits;
6. describe the operation and repair of four-wheel steering systems.

---

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

---

Major Topic Outline:

1. fundamentals of chassis systems.
2. service and repair of front and rear suspension systems.
3. service and repair of front and rear steering systems.
4. service and repair of wheel and tire systems.
5. alignment of front and rear suspension and steering systems.
6. installation of aftermarket alignment kits.

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

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

Percent of course: 0%

First term to be offered:

**Specify term: Winter 2022**

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## Clackamas Community College

### Online Course/Outline Submission System

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Show changes since last approval in red

#### Section #1 General Course Information

**Department:** AUWD

**Submitter**

First Name: Jay  
Last Name: Leuck  
Phone: 3052  
Email: jayl

---

**Course Prefix and Number:** AM - 133

---

**# Credits:** 5

**Contact hours**

Lecture (# of hours):  
Lec/lab (# of hours): 100  
Lab (# of hours):  
Total course hours: 100

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:** Engine Systems

**Course Description:**

This course is designed to provide students with the entry-level skills necessary to repair automobile engines. Includes general engine diagnosis; cylinder head and valve train diagnosis and repair; engine block assembly diagnosis and repair; and lubrication and cooling systems diagnosis and repair.

---

**Type of Course:** Career Technical Preparatory

Is this class challengeable?

**Yes**

Can this course be repeated for credit in a degree?

**No**

Is general education certification being sought at this time?

**No**

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

**No**

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

**Yes**

**Name of degree(s) and/or certificate(s):** Automotive Service Technology AAS Degree

Are there prerequisites to this course?

**No**

Are there corequisites to this course?

**Yes**

**Co-reqs:** AM-131

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: Yes**

When do you plan to offer this course?

**✓ Winter**

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. demonstrate general engine diagnosis including engine removal and re-installation (R&R);
2. demonstrate cylinder head and valve train diagnosis and repair;
3. demonstrate engine block assembly diagnosis and repair;
4. demonstrate lubrication and cooling systems diagnosis and repair.

---

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

---

**Major Topic Outline:**

1. Gasoline engine operation, parts, and specifications
2. Cooling system operation and diagnosis
4. Lubrication system operation and diagnosis
5. Engine removal and disassembly
6. Cylinder head and valve guide service
7. Camshafts and valve trains
8. Pistons, rings, and connecting rods
9. Engine blocks
10. Crankshafts, balance shafts and bearings
11. Engine assembly and installation

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

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

Percent of course: 0%

**First term to be offered:**

**Specify term:** Winter 2022

---

## Clackamas Community College

### Online Course/Outline Submission System

---

Show changes since last approval in red

#### Section #1 General Course Information

**Department:** AUWD

**Submitter**

First Name: Rick  
Last Name: Lockwood  
Phone: 3053  
Email: rickl

---

**Course Prefix and Number:** AM - 223

---

**# Credits:** 5

**Contact hours**

Lecture (# of hours):  
Lec/lab (# of hours): 100  
Lab (# of hours):  
Total course hours: 100

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:** Alternative Fuels Transportation Technology

**Course Description:**

Provides students with knowledge of theory and physical description of hybrid, Electric, Fuel cell vehicles. The student will have the opportunity to acquire practical experience in the area of diagnosing and repairing alternative fuel transportation vehicles.

---

**Type of Course:** Career Technical Preparatory

Is this class challengeable?

**Yes**

Can this course be repeated for credit in a degree?

**No**

Is general education certification being sought at this time?

**No**

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

**No**

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

**Yes**

**Name of degree(s) and/or certificate(s):** Automotive Technology AAS Degree

Are there prerequisites to this course?

**Yes**

**Pre-reqs:** AM-129

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

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

Are there corequisites to this course?

**Yes**

**Co-reqs:** AM-225

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

**No**

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

**No**

Will this class use library resources?

**No**

Is there any other potential impact on another department?

**No**

Does this course belong on the Related Instruction list?

**No**

**GRADING METHOD:**

A-F Only

**Audit: Yes**

When do you plan to offer this course?

✓ **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?

**Yes**

Will this course appear in the schedule?

**Yes**

Student Learning Outcomes:

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

1. service all hybrid/Battery Electric Vehicle systems;
2. explain how AC-DC and DC-DC converters work;
3. test high voltage battery and related components;
4. remove and replace high voltage battery packs;
5. test 3 phase brushless AC/DC electric machines.

---

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

---

Major Topic Outline:

1. The history of hybrids.
2. High voltage safety.
3. Basic electric principles.
4. 3 phase sensed and non sensed motor operation
5. AC-DC Inverters.
6. DC-DC converters.
7. CVT transmission.
8. Resolvers/Hall sensors
9. Interlock circuits.
10. Electric steering.
11. Braking system.
12. A/C system.
13. High voltage battery.

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

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

Percent of course: **80%**

First term to be offered:

**Specify term: Spring 2022**

## Clackamas Community College

### Online Course/Outline Submission System

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Show changes since last approval in red

#### Section #1 General Course Information

**Department:** AUWD

**Submitter**

First Name: Rick  
Last Name: Lockwood  
Phone: 3053  
Email: rickl

---

**Course Prefix and Number:** AM - 224

---

**# Credits:** 5

**Contact hours**

Lecture (# of hours):  
Lec/lab (# of hours): 100  
Lab (# of hours):  
Total course hours: 100

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:** Comfort Systems

**Course Description:**

In this course, students will learn design, construction, testing, maintenance, and repair of automotive heating and air conditioning systems. Prepares a student to take the Section 609 Environmental Protection Agency certification test.

---

**Type of Course:** Career Technical Preparatory

Is this class challengeable?

**Yes**

Can this course be repeated for credit in a degree?

**No**

Is general education certification being sought at this time?

**No**

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

**No**

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

**Yes**

**Name of degree(s) and/or certificate(s):** Automotive Service Technology AAS Degree

Are there prerequisites to this course?

**Yes**

**Pre-reqs:** AM-129

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

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

Are there corequisites to this course?

**Yes**

**Co-reqs:** AM-229

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

**No**

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

**No**

Will this class use library resources?

**No**

Is there any other potential impact on another department?

**No**

Does this course belong on the Related Instruction list?

**No**

**GRADING METHOD:**

**A-F Only**

**Audit: Yes**

When do you plan to offer this course?

**✓ Fall**

Is this course equivalent to another?

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

## No

Will this course appear in the college catalog?

## Yes

Will this course appear in the schedule?

## Yes

Student Learning Outcomes:

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

1. diagnose and repair heating and air conditioning systems;
2. demonstrate the proper recovery, evacuation, and recharging of modern-day mobile air-conditioning systems;
3. identify and document the function of each major component in the heating and air conditioning system;
4. explain the operation of heated seats and heated steering wheels;
5. successfully obtain section 609 certification to handle modern refrigerant.

---

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

---

Major Topic Outline:

1. Theory of operation of the A/C and heating system
2. Basic components of the heating and A/C system
3. Heating and A/C System controls
4. Specific types of A/C systems
5. A/C System servicing
6. A/C system diagnosis
7. A/C Compressor types
8. Engine cooling system
10. Automatic temperature control systems
11. Heated seats/steering wheel controls and operation
11. Preparing and testing for 609 refrigerant handling certification

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

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

Percent of course: 10%

First term to be offered:

**Specify term:** Fall 2021

---

## Clackamas Community College

### Online Course/Outline Submission System

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Show changes since last approval in red

#### Section #1 General Course Information

**Department:** AUWD

**Submitter**

First Name: Nick  
Last Name: Miller  
Phone: 3054  
Email: nickmil

---

**Course Prefix and Number:** AM - 235

---

**# Credits:** 5

**Contact hours**

Lecture (# of hours):  
Lec/lab (# of hours): 100  
Lab (# of hours):  
Total course hours: 100

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:** Power Transmission Systems

**Course Description:**

In this course students will learn the construction, operation, service and repair of clutches, manual transmission, U-joints, drive lines, final drives, overdrive, and four wheel drives.

---

**Type of Course:** Career Technical Preparatory

Is this class challengeable?

**Yes**

Can this course be repeated for credit in a degree?

**No**

Is general education certification being sought at this time?

**No**

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

**No**

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

**Yes**

**Name of degree(s) and/or certificate(s):** Automotive Service Technology AAS Degree

Are there prerequisites to this course?

**No**

Are there corequisites to this course?

**Yes**

**Co-reqs:** AM-142. Not required for Certificate students

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

**No**

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

**No**

Will this class use library resources?

**Yes**

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

**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?

✓ **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?

**Yes**

Will this course appear in the schedule?

**Yes**

**Student Learning Outcomes:**

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

1. diagnose and repair clutch and actuating assemblies;
2. diagnose and repair manual transmissions/trans axles;
3. diagnose and repair drive shafts and universal joints;
4. diagnose and repair differential assemblies;
5. diagnose and repair four-wheel drive systems.

---

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

---

**Major Topic Outline:**

1. Clutch and actuating assemblies.
2. Manual transmissions/transaxles.
3. Drive shafts and universal joints.
4. Differential assemblies.
5. Four wheel drive systems.

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

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

Percent of course: 0%

**First term to be offered:**

**Specify term:** Spring 2022

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# Clackamas Community College

## Online Course/Outline Submission System

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Show changes since last approval in red

### Section #1 General Course Information

**Department:** AUWD

**Submitter**

First Name: Rick  
Last Name: Lockwood  
Phone: 3053  
Email: rickl

---

**Course Prefix and Number:** AM - 245

---

**# Credits:** 5

**Contact hours**

Lecture (# of hours):  
Lec/lab (# of hours): 100  
Lab (# of hours):  
Total course hours: 100

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:** Automatic Transmission Systems

**Course Description:**

This course covers the theory and physical description of the automatic transmission. The student will have the opportunity to acquire practical experience and learn the proper procedures for overhaul, service, and diagnosis of an automatic transmission.

---

**Type of Course:** Career Technical Preparatory

Is this class challengeable?

**Yes**

Can this course be repeated for credit in a degree?

**No**

Is general education certification being sought at this time?



**No**

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

**No**

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

**Yes**

**Name of degree(s) and/or certificate(s):** Automotive Service Technology AAS Degree

Are there prerequisites to this course?

**Yes**

**Pre-reqs:** AM-129

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

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

Are there corequisites to this course?

**Yes**

**Co-reqs:** AM-242. Not required for Certificate students

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

**No**

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

**No**

Will this class use library resources?

**No**

Is there any other potential impact on another department?

**No**

Does this course belong on the Related Instruction list?

**No**

GRADING METHOD:

A-F Only

**Audit: Yes**

When do you plan to offer this course?

✓ **Winter**

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. flush an automatic transmission and cooler;
2. explain automatic transmission power flow;
3. diagnose internal transmission problems related to power flow;
4. rebuild a front and/or a rear wheel drive automatic transmission;
5. connect, interpret, and diagnose transmission data using a scan tool and/or lab scope.

---

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

---

Major Topic Outline:

1. Planetary gear sets
2. Torque converters
3. Apply and holding devices
4. Hydraulic fundamentals
5. Transmission hydraulic systems
6. Transmission power flow
7. Transmission failure diagnosis procedures
8. Transmission fluids
9. Transmission coolers
10. Systematic diagnosis of transmission failures
11. Transmission electronics-theory
12. Transmission overhaul
13. Valve body overhaul

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

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

Percent of course: 0%

First term to be offered:

**Specify term: Winter 2022**

January 15, 2021

Course Number	Title	Implementation
AM-101	Intro to Automotive Service Technology	2021/SP
AM-142	Engine Performance I	2021/SP
AM-201	Automotive Internship	2021/SP
AM-225	Safety Systems	2021/SP
AM-229	Electrical Systems II	2021/SP
AM-242	Engine Performance II	2021/SP

**Clackamas Community College**  
Online Course/Outline Submission System

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

First Name: Jay  
Last Name: Leuck  
Phone: 5035943052  
Email: jayl@clackamas.edu

---

**Course Prefix and Number:** AM - 101**# Credits:** 2**Contact hours**

Lecture (# of hours): 24  
Lec/lab (# of hours):  
Lab (# of hours):  
Total course hours: 24

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:** Intro to Automotive Service Technology**Course Description:**

Introduction to Automotive Service Technology is a course that will prepare students for success in the Automotive Service Technology Program. Shop orientation and automotive industry safety training will be provided. Students can earn industry-recognized certificates. Students will be exposed to industry-recognized online service information. Students will also be introduced to tasks that align with the Auto Service Excellence Education Foundation (ASEEF) Master Automotive Service Technician (MAST) program accreditation.

---

**Type of Course:** Career Technical Preparatory**Reason for the new course:**

This course will help prepare students who are new to the college and the auto service technology program for success.

We are moving the program orientation to the very first class our students take.

Students will complete this course before participating in the other core courses.

Currently we offer similar training in AM-121 General Repair 1. The challenges students encounter with AM-121 is it is offered on Friday. Since students can also enroll concurrently in other core courses they are not receiving the training before they may actually need it.

Students will also start developing their portfolio in this course, which will be used for the second year (internship) of the program.

Is this class challengeable?

**No**

Can this course be repeated for credit in a degree?

**No**

Is general education certification being sought at this time?

**No**

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

**No**

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

**Yes**

**Name of degree(s) and/or certificate(s):** Automotive Service Technology

Are there prerequisites to this course?

**Yes**

**Pre-reqs:** MTH-020 or placement in MTH-050, and WRD-080 or placement in WRD-090

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

**No**

Are there corequisites to this course?

**Yes**

**Co-reqs:** AM-129 and AM-130, or AM-131 and AM-133, or AM-142 and AM-235

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?

- ✓ **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?

**Yes**

Will this course appear in the schedule?

**Yes**

Student Learning Outcomes:

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

1. identify tools and shop equipment;
2. identify all ASE Education Foundation required supplemental tasks;
3. complete testing requirements to earn industry-recognized safety certifications.

---

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

---

Major Topic Outline:

1. Program/CCC Orientation
  - a. Portfolio development
  - b. Careers in Automotive Service Area
  - c. Safety, Environmental and Health Concerns
  - d. Tools, Shop Equipment and Measuring
  - e. Principles, Math and Calculations
  - f. Vehicle Service Information, Identification and Routine Maintenance
2. ASEEF Required Supplemental Tasks
  - a. Shop and Personal Safety
  - b. Tools and Equipment
  - c. Preparing Vehicle for Service
  - d. Preparing Vehicle for Customer

- e. Work Habits and Ethics
- f. Workplace Employability Skills

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

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

Percent of course: 0%

First term to be offered:

**Specify term:** Fall 2021

---

## Clackamas Community College

### Online Course/Outline Submission System

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#### Section #1 General Course Information

**Department:** AUWD

**Submitter**

First Name: Jay

Last Name: Leuck

Phone: 3052

Email: jayl@clackamas.edu

---

**Course Prefix and Number:** AM - 142

---

**# Credits:** 5

**Contact hours**

Lecture (# of hours):

Lec/lab (# of hours): 100

Lab (# of hours):

Total course hours: 100

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:** Engine Performance I

**Course Description:**

This course is designed to provide students with the entry-level skills necessary to repair automobile fuel delivery and emission systems. Includes general engine diagnosis; fuel, air induction, and exhaust systems diagnosis and repair; emission control systems diagnosis and repair. Introduction to the diagnostic process, scan tools, and oscilloscopes.

---

**Type of Course:** Career Technical Preparatory

**Reason for the new course:**

program redesign

**Is this class challengeable?**

**Yes**

**Can this course be repeated for credit in a degree?**



**No**

Is general education certification being sought at this time?

**No**

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

**No**

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

**Yes**

**Name of degree(s) and/or certificate(s):** Automotive Service Technology AAS Degree

Are there prerequisites to this course?

**No**

Are there corequisites to this course?

**Yes**

**Co-reqs:** AM-235

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: Yes**

When do you plan to offer this course?

✓ **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?

**Yes**

Will this course appear in the schedule?

**Yes**

Student Learning Outcomes:

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

1. demonstrate general engine diagnosis;
2. diagnose and repair fuel, air induction, and exhaust systems;
3. diagnose and repair emissions control systems;
4. describe the diagnostic process;
5. use scan tools and oscilloscopes to aid in diagnosis.

---

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

---

Major Topic Outline:

1. Oscilloscopes
2. Scan Tools and Engine Performance Diagnosis
3. Gasoline
4. Fuel Pumps, Lines, and Filters
5. Fuel-Injection Components and Operation
6. Gasoline Direct-Injection Systems
7. Vehicle Emissions Standards, and Testing
8. Positive Crankcase Ventilation and Secondary Air-Injection Systems
9. Catalytic Converters

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

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

Percent of course: 0%

First term to be offered:

**Next available term after approval**

:

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**Clackamas Community College**  
Online Course/Outline Submission System

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

First Name: Rick  
Last Name: Lockwood  
Phone: 3053  
Email: rickl@clackamas.edu

---

**Course Prefix and Number:** AM - 201**# Credits:** 3**Contact hours**

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

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

---

**Course Title:** Automotive Internship**Course Description:**

Students will be completing a portfolio project to present to companies in the automotive industry. Students will learn best practices for interview preparedness and resume development. There will be a scheduled interview day with partners in industry to help place students in the workforce for internship. Students will prepare for Auto Service Excellence (ASE) certification tests.

---

**Type of Course:** Career Technical Preparatory**Reason for the new course:**

Developing this course will better prepare our students for a successful transition into the workforce.

**Is this class challengeable?****No**

Can this course be repeated for credit in a degree?

**No**

Is general education certification being sought at this time?

**No**

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

**No**

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

**Yes**

**Name of degree(s) and/or certificate(s):** Automotive Service Technology AAS Degree

Are there prerequisites to this course?

**Yes**

**Pre-reqs:** AM-101

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

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

Are there corequisites to this course?

**No**

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

**No**

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

**No**

Will this class use library resources?

**No**

Is there any other potential impact on another department?

**No**

Does this course belong on the Related Instruction list?

**No**

**GRADING METHOD:**

A-F Only

**Audit: No**

When do you plan to offer this course?

✓ **Fall**

✓ **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?

**Yes**

Will this course appear in the schedule?

**Yes**

Student Learning Outcomes:

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

1. complete a resume;
2. demonstrate job interview and portfolio presentation best practices;
3. complete industry-standard testing through Automotive Service Excellence (ASE) test site;
4. present a professionally prepared portfolio.

---

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

---

Major Topic Outline:

1. ASE certification tests.
2. Best practices for interview preparedness and resume development.
3. Present Portfolio.
4. Interview day with partners from industry.

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

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

Percent of course: 0%

First term to be offered:

**Specify term:** Fall/Spring 2022

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**Clackamas Community College**  
Online Course/Outline Submission System

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

First Name: Rick  
Last Name: Lockwood  
Phone: 3053  
Email: rickl@clackamas.edu

---

**Course Prefix and Number:** AM - 225**# Credits:** 5**Contact hours**

Lecture (# of hours):  
Lec/lab (# of hours): 100  
Lab (# of hours):  
Total course hours: 100

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:** Safety Systems**Course Description:**

In this course students will be introduced to existing vehicle on-board safety systems and Advanced Driver Assist Systems (ADAS) on today's vehicles. Safety systems such as Anti-lock brakes, Traction control, Air-bag systems, Stability control, and Advanced Driver Assist Systems will be explained, demonstrated, and tested.

---

**Type of Course:** Career Technical Preparatory**Reason for the new course:**

We needed a dedicated course for all the new technology in the area of safety systems that continue to be added to vehicles today.

**Is this class challengeable?****Yes****Can this course be repeated for credit in a degree?**



**No**

Is general education certification being sought at this time?

**No**

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

**No**

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

**Yes**

**Name of degree(s) and/or certificate(s):** Automotive Service Technology AAS Degree

Are there prerequisites to this course?

**Yes**

**Pre-reqs:** AM-129

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

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

Are there corequisites to this course?

**Yes**

**Co-reqs:** AM-223

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

**No**

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

**No**

Will this class use library resources?

**No**

Is there any other potential impact on another department?

**No**

Does this course belong on the Related Instruction list?

**No**

**GRADING METHOD:**

A-F Only

**Audit: Yes**

When do you plan to offer this course?

**✓ 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?

**Yes**

Will this course appear in the schedule?

**Yes**

**Student Learning Outcomes:**

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

1. Diagnose, service, and repair electronically controlled suspension systems as they relate to stability control;
2. diagnose, service, and repair anti-lock brake systems;
3. diagnose, service, and repair traction control systems;
4. diagnose, service, and repair air-bag systems;
5. demonstrate proper calibration and adjustment of advanced driver assist systems.

---

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

---

**Major Topic Outline:**

1. Anti-lock brakes and traction control systems
2. Stability control systems
3. Air-bag and pre-tensioner systems
4. Advanced driver assist systems

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

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

Percent of course: 0%

**First term to be offered:**

**Specify term:** Spring 2022

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**Clackamas Community College**  
Online Course/Outline Submission System

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

First Name: Jay  
Last Name: Leuck  
Phone: 3052  
Email: jayl

---

**Course Prefix and Number:** AM - 229**# Credits:** 5**Contact hours**

Lecture (# of hours):  
Lec/lab (# of hours): 100  
Lab (# of hours):  
Total course hours: 100

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:** Electrical Systems II**Course Description:**

In this course students will learn fundamentals of electronics, diagnosis, and repair of general electrical including, lighting systems, instrument cluster and driver information systems, and body electrical systems.

---

**Type of Course:** Career Technical Preparatory**Reason for the new course:**

program redesign

**Is this class challengeable?****Yes****Can this course be repeated for credit in a degree?****No**

Is general education certification being sought at this time?

**No**

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

**No**

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

**Yes**

**Name of degree(s) and/or certificate(s):** Automotive Service Technology AAS

Are there prerequisites to this course?

**Yes**

**Pre-reqs:** AM-129

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

**No**

Are there corequisites to this course?

**Yes**

**Co-reqs:** AM-224

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: Yes**

When do you plan to offer this course?

✓ **Fall**

Is this course equivalent to another?

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

**No**

Will this course appear in the college catalog?

**Yes**

Will this course appear in the schedule?

**Yes**

**Student Learning Outcomes:**

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

1. diagnose general electrical systems;
2. diagnose and repair lighting systems;
3. diagnose and repair instrument cluster and driver information systems;
4. diagnose and repair body electrical systems;
5. use scan tools to interface with body electrical computer systems.

---

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

---

**Major Topic Outline:**

1. Electronic fundamentals
2. Can and network communications
3. Lighting and Signaling Circuits
4. Driver information and navigation systems
5. Body electrical systems

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

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

Percent of course: 0%

**First term to be offered:**

**Next available term after approval**

:

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**Clackamas Community College**  
Online Course/Outline Submission System

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

First Name: Rick  
Last Name: Lockwood  
Phone: 3053  
Email: rickl@clackamas.edu

---

**Course Prefix and Number:** AM - 242**# Credits:** 5**Contact hours**

Lecture (# of hours):  
Lec/lab (# of hours): 100  
Lab (# of hours):  
Total course hours: 100

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:** Engine Performance II**Course Description:**

This course is the second of two engine performance courses. In this course the students will receive training in advanced lab scope diagnostics, advanced level scan tool usage, power train reprogramming and the opportunity to do real world diagnostics. On board diagnostics 2 (OBD2) readiness monitors and how they work will be discussed. Training and practical application of all monitored systems of the OBD2 system will be performed.

---

**Type of Course:** Career Technical Preparatory**Reason for the new course:**

The content in the AM-142 course is more than what could be accomplished in a 5 credit course. AM-242 needed to be added because of the increased technology in today's automobile.

**Is this class challengeable?****Yes**



Can this course be repeated for credit in a degree?

**No**

Is general education certification being sought at this time?

**No**

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

**No**

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

**Yes**

**Name of degree(s) and/or certificate(s):** Automotive Service Technology AAS Degree

Are there prerequisites to this course?

**Yes**

**Pre-reqs:** AM-142

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

**No**

Are there corequisites to this course?

**Yes**

**Co-reqs:** AM-245

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

**No**

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

**No**

Will this class use library resources?

**No**

Is there any other potential impact on another department?

**No**

Does this course belong on the Related Instruction list?

**No**

**GRADING METHOD:**

A-F Only

**Audit: Yes**

When do you plan to offer this course?

✓ **Winter**

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. operate and navigate through generic and factory scan tools;
2. effectively use a lab scope to diagnose engine problems;
3. demonstrate all the steps to program a vehicles power train control module;
4. demonstrate, diagnose, and explain the function of various inputs and outputs of the power train control module;
5. demonstrate proper multi meter use to diagnose engine electrical problems.

---

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

---

Major Topic Outline:

1. OBD 2 system monitors
2. Hands on lab scope training
3. Scan tool usage with generic and OEM scanners
4. PCM reprogramming
5. PCM inputs and outputs
6. 5 gas analysis
7. multi meter usage for practical application
8. Evaporative system testing
9. EGR system testing
10. Secondary Air injection system testing
11. Catalytic converter testing
12. Heated oxygen sensor testing
13. Ignition systems analysis and testing
14. Sensor input data analysis and testing
15. Actuator output analysis and testing

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

- |                                      |            |
|--------------------------------------|------------|
| 1. Increased energy efficiency       | <b>Yes</b> |
| 2. Produce renewable energy          | <b>No</b>  |
| 3. Prevent environmental degradation | <b>Yes</b> |
| 4. Clean up natural environment      | <b>No</b>  |

5. Supports green services

**No**

Percent of course: 50%

First term to be offered:

**Specify term:** Winter 2022

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January 15, 2021

Program	Implementation
<b>Group 0</b>	
Under Car Technician – Automatic Transmission CPCC	2021/SU
Under Car Technician – Manual Transmission CPCC	2021/SU
Automotive Service Technology AAS	2021/SU



## 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>

<b>College:</b>	Clackamas Community College	<b>Date</b>	
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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 <a href="http://www.ode.state.or.us/search/results/?id=232">http://www.ode.state.or.us/search/results/?id=232</a>)</small>	<u>APPROVED</u> CIP Code <small>(Include 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<u>APPROVED</u> Recognition Award	Current Credits
	<u>6-digit CIP</u>	<u>7<sup>th</sup> digit</u>	<u>8<sup>th</sup> digit</u>		
<b>AAS Title:</b> Automotive Service Technology AAS				<input type="checkbox"/> Associate of Applied Science (AAS) Degree	
<b>Option Title**</b>				<input type="checkbox"/> OPTION to AAS Degree	
<b>Certificate Title:</b> <i>Within</i> AAS Degree? <input checked="" type="checkbox"/> Yes** <input type="checkbox"/> No Under Car Technician – Automatic Transmission – Career Pathway CC.UNDRCARTECAUTO	47.064			<input checked="" type="checkbox"/> Career Pathway (12-44)	40

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

### 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> <b>33</b>
<i>Proposed AAS Title:</i>		
<i>Proposed OPTION Title:</i>		
<i>Proposed Certificate Title:</i>		
<input type="checkbox"/> <b>SUSPENSION</b> of Program	<i>Reason for Suspension:</i>	
<b>Suspension Effective Date:</b>		

++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><b>CURRENT CURRICULUM 20-21</b></i>				<i><b>PROPOSED CURRICULUM 21-22</b></i>			
<small>[List entire curriculum as last approved]</small>				<small>[List only course(s) to be amended]</small>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Under Car Technician – Automatic Transmission Career Pathway Certificate</b>							
<b>Fall Term</b>							
AM-121	General Auto Repair I	72	3	REMOVE			
AM-129	Electrical Systems	154	7	AM-129	Electrical Systems I	100	5
AM-245	Automatic Transmission Systems	154	7	Move to Term 2			
				AM-101	Intro to Automotive Service Technology	24	2
				AM-130	Brake Systems	100	5
<b>Winter Term</b>							
AM-122	General Auto Repair II	72	3	REMOVE			
AM-131	Chassis Systems	154	7	AM-131	Chassis Systems	100	5
WLD-102 Or AB-112	Introduction to Welding or Collision Repair Welding I	44-48	2	WLD-102	Introduction to Welding	44	2
				AM-245	Automatic Transmission Systems	100	5
<b>Spring Term</b>							
AM-228	Service Shop Management	44	4				
AM-235	Power Transmission Systems	154	7	AM-235	Power Transmission Systems	100	5
<b>ASE Alignment</b>							
AM-131 aligns with ASE A4 Suspension & Steering							
AM-228 aligns with ASE C1 Automobile Service Consultant							
AM-235 aligns with ASE A3 Manual Drive Train & Axles							
AM-245 aligns with ASE A2 Automatic Transmission/Transaxle							
<b>TOTAL CURRENT CREDITS:</b>			40	<b>TOTAL PROPOSED CREDITS:</b>			33

<b>College Contact</b>	Jay Leuck	<b>Telephone No.</b>	3052
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>			<b>Date</b> 1/8/21



## COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

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

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<b>College:</b>	Clackamas Community College	<b>Date</b>	
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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 <a href="http://www.ode.state.or.us/search/results/?id=232">http://www.ode.state.or.us/search/results/?id=232</a>)</small>	<u>APPROVED</u> CIP Code <small>(Include 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<u>APPROVED</u> Recognition Award	Current Credits
	<u>6-digit CIP</u>	<u>7<sup>th</sup> digit</u>	<u>8<sup>th</sup> digit</u>		
<b>AAS Title:</b> Automotive Service Technology AAS				<input type="checkbox"/> Associate of Applied Science (AAS) Degree	
<b>Option Title**</b>				<input type="checkbox"/> OPTION to AAS Degree	
<b>Certificate Title:</b> <u>Within</u> AAS Degree? <input checked="" type="checkbox"/> Yes** <input type="checkbox"/> No Under Car Technician – Manual Transmission – Career Pathway CC.UNDERCARTECMAN	47.064			<input checked="" type="checkbox"/> Career Pathway (12-44)	40

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

### 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> <b>28</b>
<i>Proposed AAS Title:</i>		
<i>Proposed OPTION Title:</i>		
<i>Proposed Certificate Title:</i>		
<input type="checkbox"/> <b>SUSPENSION</b> of Program	<i>Reason for Suspension:</i>	
<b>Suspension Effective Date:</b>		

++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><b>CURRENT CURRICULUM 20-21</b></i>				<i><b>PROPOSED CURRICULUM 21-22</b></i>			
<small>[List entire curriculum as last approved]</small>				<small>[List only course(s) to be amended]</small>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Under Car Technician – Manual Transmission Career Pathway Certificate</b>							
<b>Fall Term</b>							
AM-121	General Auto Repair I	72	3	REMOVE			
AM-129	Electrical Systems	154	7	AM-129	Electrical Systems I	100	5
AM-130	Brake Systems	154	7	AM-130	Brake Systems	100	5
				AM-101	Intro to Automotive Service Technology	24	2
<b>Winter Term</b>							
AM-122	General Auto Repair II	72	3	REMOVE			
AM-131	Chassis Systems	154	7	AM-131	Chassis Systems	100	5
WLD-102 Or AB-112	Introduction to Welding or Collision Repair Welding I	44-48	2	WLD-102	Introduction to Welding	44	2
<b>Spring Term</b>							
AM-228	Service Shop Management	44	4				
AM-235	Power Transmission Systems	154	7	AM-235	Power Transmission Systems	100	5
<b>ASE Alignment</b>							
AM-130 aligns with ASE A5 Brakes							
AM-131 aligns with ASE A4 Suspension & Steering							
AM-228 aligns with ASE C1 Automobile Service Consultant							
AM-235 aligns with ASE A3 Manual Drive Train & Axles							
<b>TOTAL CURRENT CREDITS:</b>			40	<b>TOTAL PROPOSED CREDITS:</b>			28

<b>College Contact</b>	Jay Leuck	<b>Telephone No.</b>	3052
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>		<b>Date</b>	1/8/21





**COMMUNITY COLLEGE PROGRAM AMENDMENT FORM**

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

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

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

PROGRAM INFORMATION			
<u>APPROVED</u> Program Title	<u>APPROVED</u> CIP Code (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)	<u>APPROVED</u> Recognition Award	Current Credits
(For Official Program Title, refer to your directory at <a href="http://www.ode.state.or.us/search/results/?id=232">http://www.ode.state.or.us/search/results/?id=232</a> )	<u>6-digit CIP</u>	<u>7<sup>th</sup> digit</u>	<u>8<sup>th</sup> digit</u>
<b>AAS Title:</b> <b>Automotive Service Technology</b> AAS.AUTOSERTECH	<b>47.0604</b>	<input checked="" type="checkbox"/> <b>AAS</b> <b>(90-108 credits)</b>	<b>94-95</b>
<b>Option Title**</b>		<input type="checkbox"/> <b>OPTION to AAS Degree</b>	
<b>Certificate Title:</b> <u>Within</u> AAS Degree? <input type="checkbox"/> Yes** <input type="checkbox"/> No Related programs: Under Car Technician-Automatic Transmission Under Car Technician-Manual Transmission Under Hood Technician		<input type="checkbox"/> <b>Certificate of Completion</b>	

LAST AMENDMENT APPROVED ON 01/19/18

TYPE OF PROGRAM AMENDMENT	
(Check ALL That Apply)	
<input type="checkbox"/> <b>New Program++</b>	<input checked="" type="checkbox"/> <b>Curriculum Revision</b>
<input type="checkbox"/> <b>Title Change for Program</b>	<input checked="" type="checkbox"/> <b>Revision in Program Credits</b>
	<b>Proposed Total Credits: 90-91</b>
<b>Proposed AAS Title:</b>	
<b>Proposed OPTION Title:</b>	
<b>Proposed Certificate Title:</b>	
<input type="checkbox"/> <b>SUSPENSION of Program</b>	<i>Reason for Suspension:</i>
<b>Suspension Effective Date:</b>	


**++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><b>CURRENT CURRICULUM 20-21</b></i>				<i><b>PROPOSED CURRICULUM 21-22</b></i>			
<small>[List entire curriculum as last approved]</small>				<small>[List only course(s) to be amended]</small>			
Course	Course Title	Hours	Credits	Course	Course Title	Hours	Credits
<b>Automotive Service Technology Associate of Applied Science Degree: 1<sup>st</sup> Year</b>							
<b>Fall Term</b>							
AM-121	General Auto Repair I	72	3	REMOVE			
AM-129	Electrical Systems	154	7	AM-129	Electrical Systems I	100	5
AM-130	Brake Systems	154	7	AM-130	Brake Systems	100	5
				AM-101	Intro to Automotive Service Technology	24	2
				<b>MTH-050 Or MTH-065</b>	<b>Technical Mathematics I or Algebra II</b>	<b>44</b>	<b>4</b>
<b>Winter Term</b>							
AM-122	General Auto Repair II	72	3	REMOVE			
AM-131	Chassis Systems	154	7	AM-131	Chassis Systems	100	5
<b>MTH-050 Or MTH-065</b>	<b>Technical Mathematics I or Algebra II</b>	<b>44</b>	<b>4</b>	Move to Term 1			
				AM-133	Engine Systems	100	5
				<b>WR-101 Or WR-121</b>	<b>Communication Skills: Occupational Writing or English Composition</b>	<b>33-44</b>	<b>3-4</b>
				--	<b>PE/Health/Safety/First Aid requirement (see page 82) (Recommended: HE-252 or MFG-107)</b>		<b>3</b>
<b>Spring Term</b>							
AM-133	Engine Systems	154	7	Move to Term 2			
AM-223	Hybrid Service Technology	72	3	Move to Term 7			
<b>WR-101 Or WR-121</b>	<b>Communication Skills: Occupational Writing or English Composition</b>	<b>33-44</b>	<b>3-4</b>	Move to Term 2			
				AM-142	Engine Performance I	100	5
				AM-235	Power Transmission Systems	100	5
				--	<b>Human Relations requirement (see page 82) (Recommended: PSY-101 or COMM-100)</b>		<b>3</b>
<b>Summer Term</b>							
AM-280*	Auto Mechanics/CWE	216	6	Move to Term 5			
<b>Automotive Service Technology Associate of Applied Science Degree: 2<sup>nd</sup> Year</b>							
<b>Fall Term</b>							

AM-245	Automatic Transmission Systems	154	7	Move to Term 6			
WLD-102 Or AB-112	Introduction to Welding or Collision Repair Welding I	44-48	2	Remove AB-112 WLD-102 move to Term 7			
--	<b>Human Relations requirement (see page 82) (Recommended: PSY-101 or COMM-100)</b>		<b>3</b>	Move to Term 3			
--	<b>PE/Health/Safety/First Aid requirement (see page 82) (Recommended: HE-252 or MFG-107)</b>		<b>3</b>	Move to Term 2			
				AM-201	Automotive Internship	33	3
				AM-224	Comfort Systems	100	5
				AM-229	Electrical Systems II	100	5
Winter Term							
AM-243	Fuel & Emission Control Systems	154	7	REMOVE			
AM-244	Advanced Electrical Systems	154	7	REMOVE			
				AM-242	Engine Performance II	100	5
				AM-245	Automatic Transmission Systems	100	5
				AM-280	Auto Mechanics/CWE	216	6
Spring Term							
AM-224	Comfort Systems	88	4	Move to Term 5			
AM-228	Service Shop Management	44	4				
AM-235	Power Transmission Systems	154	7	Move to Term 3			
				AM-223	Alternative Fuels Transportation Technology	100	5
				AM-225	Safety Systems	100	5
				WLD-102	Introduction to Welding	44	2
Catalog Notes							
*May be taken after the first year				Remove			
Note: Alternative course schedule is available. Contact the Automotive and Welding Department, 503-594-3047 for information				Remove			
<b>TOTAL CURRENT CREDITS:</b>			94-95	<b>TOTAL PROPOSED CREDITS:</b>			90-91

<b>College Contact</b>	Jay Leuck	<b>Telephone No.</b>	3052
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>		<b>Date</b>	1/8/21

January 15, 2021

Program	Implementation
Under Hood Technician CPCC	2021/SU



## 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>

<b>College:</b>	Clackamas Community College	<b>Date</b>	
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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  <small>(For Official Program Title, refer to your directory at <a href="http://www.ode.state.or.us/search/results/?id=232">http://www.ode.state.or.us/search/results/?id=232</a>)</small>	<i>APPROVED</i> CIP Code <small>(Include 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<i>APPROVED</i> Recognition Award	Current Credits
	<i>6-digit CIP</i>	<i>7<sup>th</sup> digit</i>	<i>8<sup>th</sup> digit</i>		
<b>AAS Title:</b> Automotive Service Technology AAS				<input type="checkbox"/> Associate of Applied Science (AAS) Degree	
<b>Option Title**</b>				<input type="checkbox"/> OPTION to AAS Degree	
<b>Certificate Title:</b> <i>Within</i> AAS Degree? <input checked="" type="checkbox"/> Yes** <input type="checkbox"/> No Under Hood Technician – Career Pathway CC.UNDERHOODTECH	47.0604			<input type="checkbox"/> Career Pathway (12-44)	44

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

### 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>
<i>Proposed AAS Title:</i>		
<i>Proposed OPTION Title:</i>		
<i>Proposed Certificate Title:</i>		
<input type="checkbox"/> <b>SUSPENSION</b> of Program	<i>Reason for Suspension:</i>	
<b>Suspension Effective Date:</b>	6/31/21	

**++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><b>CURRENT CURRICULUM 20-21</b></i>				<i><b>PROPOSED CURRICULUM 21-22</b></i>			
<small>[List entire curriculum as last approved]</small>				<small>[List only course(s) to be amended]</small>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Under Hood Technician Career Pathway Certificate</b>							
<b>Fall Term</b>							
AM-121	General Auto Repair I	72	3				
AM-129	Electrical Systems	154	7				
WLD-102 Or AB-112	Introduction to Welding or Collision Repair Welding I	44-48	2				
<b>Winter Term</b>							
AM-122	General Auto Repair II	72	3				
AM-243	Fuel & Emission Control Systems	154	7				
AM-244	Advanced Electrical Systems	154	7				
<b>Spring Term</b>							
AM-133	Engine Systems	154	7				
AM-224	Comfort Systems	88	4				
AM-228	Service Shop Management	44	4				
<b>ASE Alignment</b>							
AM-129 and AM-244 align with ASE A6 Electrical/Electronic Systems							
AM-133 aligns with ASE A1 Engine Repair							
AM-224 aligns with ASE A7 Heating & Air Conditioning							
AM-228 aligns with ASE C1 Automobile Service Consultant							
AM-243 aligns with ASE A8 Engine Performance, and L1 Advanced Engine Performance Specialist							
<b>TOTAL CURRENT CREDITS:</b>			44	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	<b>Telephone No.</b>
<b>E-Mail Address</b>	<b>Fax No.</b>
<b>Chief Academic Officer or PTE Dean Signature</b>	<b>Date</b> 1/8/21

*Jonathan R. [Signature]*

**Program Name:** Under Hood Technician (CC.UNDERHOODTECH)

**Program Type:** Career Pathway

**Required Program Credits:** 44

**Plan Implementation Date:** ASAP

**Date of Suspension of Student Admission:** 6/1/2021

**Last Term of Program Teach Out:** 2021/SP

**# of Students in Program:** 33

**Source for Student Enrollment:** Enrolled Student List by Program reports in myClackamas. We downloaded reports from W/21, F/20, F/19, F/18, F/17, F/16 and F/15 to identify students that had declared the CC. UNDERHOODTECH career pathway.

**Teach Out Plan:** Students that are currently active will continue to take the classes that will be offered after the new program revision is approved. Students that are inactive, and choose to return, could complete their career pathway by finishing the remaining classes needed during the terms they are offered. Depending on the number of courses needed it may take an inactive student more than one academic year to complete the program.

*(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.)*

<b>How will these promises to the students be met?</b>	<b>Describe</b>
Maintain the necessary experience, resources, and support services	The Automotive Service department can provide support in the form of advising for developing an academic plan. Staff and our Academic Career Coach are very familiar with our program. The experience students will have and the resources available after the recent remodel/expansion of the Automotive facility will provide the same or better learning environment.
Remain stable, carry out its mission, and meet all its obligations to students	It will not be possible to offer the CC. UNDERHOODTECH career pathway in less than 2 academic years after the AAS Degree program revision is approved. New students would not be accepted into the CC. UNDERHOODTECH career pathway. Only students who have previously completed a portion of the required

	courses would be eligible to complete the CC. UNDERHOODTECH career pathway. Those students would not have any additional classes/credits to complete the course/credit requirements for the CC. UNDERHOODTECH career pathway. Students will have the ability to complete the CC. UNDERHOODTECH career pathway for up to five catalog years.
Offer the program without additional charge	Students would be able to take the remaining classes at standard tuition rates. No additional charges would be applied.

**Communication plan with students:**

Students will be contacted through email informing them of the program suspension and their options to complete the CC. UNDERHOODTECH career pathway. In addition, we will be available to meet with students to offer academic advising either by phone or Zoom call.

*(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.)*





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January 15, 2021

Course	Current Hours/Credits	Proposed Hours/Credits
PIE-091	50 LAB/0 Credits	30 LAB/0 Credits

## Clackamas Community College

### Online Course/Outline Submission System

---

Show changes since last approval in red

#### Section #1 General Course Information

**Department:** ESL

**Submitter**

First Name: **Suzanne**

Last Name: **Munro**

Phone: **5035943236**

Email: **munros@clackamas.edu**

---

**Course Prefix and Number:** PIE - **091**

---

**# Credits:** 0

**Contact hours**

Lecture (# of hours):

Lec/lab (# of hours):

Lab (# of hours): **30**

Total course hours: **30**

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:** **PIE Skills Lab**

**Course Description:**

**This course is intended to intensify students' learning at each level. Students build on the language learning skills and strategies introduced and practiced in other English language acquisition classes. Required: Student Petition.**

---

**Type of Course:** Developmental Education

Can this course be repeated for credit in a degree?

**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:**

**Requirements:** Student Petition

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:**

Pass/No Pass Only

**Audit: Yes**

When do you plan to offer this course?

✓ **Summer**

✓ **Fall**

✓ **Winter**

✓ **Spring**

Will this course appear in the college catalog?

**No**

Will this course appear in the schedule?

**Yes**

**Student Learning Outcomes:**

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

1. create and assess language learning goals;
2. select and apply strategies for improving English language reading, writing, listening, and speaking skills.

---

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

---

**Major Topic Outline:**

1. Conversation
2. Reading comprehension
3. Writing skills
4. Vocabulary development
5. Spelling
6. Goal setting
7. Time management
8. Study skills

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

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

Percent of course: 0%

First term to be offered:

**Next available term after approval**

:

---

<b>Course Number</b>	<b>Title</b>	<b>Implementation</b>
APR-115UW	Substation Metering & Relay Overview	2021/SU
APR-116UM	Network Data Operations (NDO) Overview	2021/SU
APR-116UW	System Control & Data Acquisitions (SCADA)	2021/SU
APR-117UM	Special Tester Overview	2021/SU
APR-118UM	Leadman Repairman Overview	2021/SU
ART-116	Basic Design: Color Theory & Composition	2021/SU
DMC-194	Introduction to Film	2021/SU
DMC-195	American Film	2021/SU
PIE-091B	PIE Skills Lab First Year Winter	2021/SU
PIE-091C	PIE Skills Lab First Year Spring	2021/SU
PIE-091D	PIE Skills Lab First Year SU	2021/SU
PIE-091H	PIE Skills Lab Second Year SU	2021/SU
PIE-094	TOEFL/TOEIC Preparation	2021/SU

**Clackamas Community College**  
Online Course/Outline Submission System

---

Show changes since last approval in red

Date approved: April 6, 2020 Certified General Education Area(s): None

**Section #1 General Course Information**

**Department:** ESL

**Submitter**

First Name: Suzanne

Last Name: Munro

Phone: 3236

Email: munros

---

**Course Prefix and Number:** PIE - 091B

---

**# Credits:** 0

**Contact hours**

Lecture (# of hours):

Lec/lab (# of hours):

Lab (# of hours): 50

Total course hours: 50

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:** PIE Skills Lab First Year Winter

**Course Description:**

This first year course is intended to intensify students' learning at each level. Winter term, students build on the language learning skills acquired during the previous and current terms. Required: Student Petition.

---

**Type of Course:** Developmental Education

Can this course be repeated for credit in a degree?

**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:**

**Requirements:** Student Petition

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:**

Pass/No Pass Only

**Audit: Yes**

When do you plan to offer this course?

✓ **Winter**

Will this course appear in the college catalog?

**No**

Will this course appear in the schedule?

**Yes**

**Student Learning Outcomes:**

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

1. create and assess language learning goals for winter term;
2. select and apply strategies for improving English language reading, writing, listening, and speaking skills.

---

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

---

**Major Topic Outline:**

1. Conversation
2. Reading comprehension
3. Writing skills
4. Vocabulary development
5. Spelling
6. Goal setting
7. Time management
8. Study skills

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

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

Percent of course: 0%

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

Date approved: April 13, 2016 Certified General Education Area(s): None

**Section #1 General Course Information**

**Department:** ESL

**Submitter**

First Name: Suzanne

Last Name: Munro

Phone: 3236

Email: munros

---

**Course Prefix and Number:** PIE - 091C

---

**# Credits:** 0

**Contact hours**

Lecture (# of hours):

Lec/lab (# of hours):

Lab (# of hours): 50

Total course hours: 50

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:** PIE Skills Lab First Year Spring

**Course Description:**

This first year course is intended to intensify students' learning at each level. Spring term, students build on the language learning skills and strategies acquired during the previous and current terms. Required: Student Petition.

---

**Type of Course:** Developmental Education

Can this course be repeated for credit in a degree?

**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:**

**Requirements:** Student Petition

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:**

Pass/No Pass Only

**Audit: Yes**

When do you plan to offer this course?

✓ **Spring**

Will this course appear in the college catalog?

**No**

Will this course appear in the schedule?

**Yes**

**Student Learning Outcomes:**

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

1. create and assess language learning goals for spring term,
2. select and apply strategies for improving English language reading, writing, listening, and speaking skills.

---

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

---

**Major Topic Outline:**

1. Conversation
2. Reading comprehension
3. Writing skills
4. Vocabulary development
5. Spelling
6. Goal setting
7. Time management
8. Study skills

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

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

Percent of course: 0%

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

Date approved: April 6, 2020 Certified General Education Area(s): None

**Section #1 General Course Information**

**Department:** ESL

**Submitter**

First Name: Suzanne

Last Name: Munro

Phone: 3236

Email: munros

---

**Course Prefix and Number:** PIE - 091D

---

**# Credits:** 0

**Contact hours**

Lecture (# of hours):

Lec/lab (# of hours):

Lab (# of hours): 32

Total course hours: 32

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:** PIE Skills Lab First Year SU

**Course Description:**

This first year course is intended to intensify students' learning at each level. Summer term, students build on the language learning skills and strategies acquired during the previous and current terms. Required: Student Petition.

---

**Type of Course:** Developmental Education

Can this course be repeated for credit in a degree?

**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:**

**Requirements:** Student Petition

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:**

Pass/No Pass Only

**Audit: Yes**

When do you plan to offer this course?

✓ **Summer**

Will this course appear in the college catalog?

**No**

Will this course appear in the schedule?

**Yes**

**Student Learning Outcomes:**

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

1. create and assess language learning goals for the current term,
2. select and apply strategies for improving English language reading, writing, listening, and speaking skills.

---

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

---

**Major Topic Outline:**

1. Conversation
2. Reading comprehension
3. Writing skills
4. Vocabulary development
5. Spelling
6. Goal setting
7. Time management
8. Study skills

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

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

Percent of course: 0%

First term to be offered:

**Specify term:** Summer 2016

---

**Clackamas Community College**  
Online Course/Outline Submission System

---

Show changes since last approval in red

Date approved: April 12, 2016 Certified General Education Area(s): None

**Section #1 General Course Information**

**Department:** ESL

**Submitter**

First Name: Suzanne

Last Name: Munro

Phone: 3236

Email: munros

---

**Course Prefix and Number:** PIE - 091H

---

**# Credits:** 0

**Contact hours**

Lecture (# of hours):

Lec/lab (# of hours):

Lab (# of hours): 32

Total course hours: 32

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:** PIE Skills Lab Second Year SU

**Course Description:**

This second year course is intended to intensify students' learning at each level. Summer term, students build on the language learning skills and strategies acquired during the previous and current terms. Required: Student Petition.

---

**Type of Course:** Developmental Education

Can this course be repeated for credit in a degree?

**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:**

**Requirements:** Student Petition

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:**

Pass/No Pass Only

**Audit: Yes**

When do you plan to offer this course?

✓ **Summer**

Will this course appear in the college catalog?

**No**

Will this course appear in the schedule?

**Yes**

**Student Learning Outcomes:**

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

1. create and assess language learning goals for summer term;
2. select and apply strategies for improving English language reading, writing, listening, and speaking skills.

---

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

---

**Major Topic Outline:**



1. Conversation
2. Reading comprehension
3. Writing skills
4. Vocabulary development
5. Spelling
6. Goal setting
7. Time management
8. Study skills

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

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

Percent of course: 0%

First term to be offered:

**Specify term:** Summer

---

**Clackamas Community College**  
Online Course/Outline Submission System

---

Show changes since last approval in red

Date approved: March 30, 2016 Certified General Education Area(s): None

**Section #1 General Course Information**

**Department:** ESL

**Submitter**

First Name: Suzanne

Last Name: Munro

Phone: 3236

Email: munros

---

**Course Prefix and Number:** PIE - 094

---

**# Credits:** 0

**Contact hours**

Lecture (# of hours): 33

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 33

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

---

**Course Title:** TOEFL/TOEIC Preparation

**Course Description:**

Prepares students for the Test of English as a Foreign Language (TOEFL) and the Test of English for International Communication (TOEIC) by improving listening, grammar, reading and writing skills. It includes familiarization with the test components, test-taking techniques, strategies and computer skills. Required: Student Petition.

---

**Type of Course:** Developmental Education

Can this course be repeated for credit in a degree?

**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:**

**Requirements:** Student Petition

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:**

Pass/No Pass Only

**Audit: Yes**

When do you plan to offer this course?

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

Will this course appear in the college catalog?

**Yes**

Will this course appear in the schedule?

**No**

**Student Learning Outcomes:**

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

1. describe the sections of the TOEFL or TOEIC,
2. demonstrate improved listening comprehension, speaking skills, reading comprehension, grammar usage, and essay writing skills (TOEFL only);
3. apply test taking techniques and strategies,
4. demonstrate the ability to manage time wisely.

---

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

---

**Major Topic Outline:**

1. Test Taking Strategies.
2. Reading Comprehension.
3. Listening Comprehension.
4. Grammar.
5. Essay Writing (TOEFL only).
6. Speaking Skills.
7. Time Management.

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

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

Percent of course: 0%

**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

Date approved: February 5, 2016 Certified General Education Area(s): None

### Section #1 General Course Information

**Department:** Apprenticeship

**Submitter**

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

---

**Course Prefix and Number:** APR - 115UW

---

**# Credits:** 2

**Contact hours**

Lecture (# of hours):  
Lec/lab (# of hours): 40  
Lab (# of hours):  
Total course hours: 40

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

---

**Course Title:** Substation Metering & Relay Overview

**Course Description:**

This course introduces the apprentice to the duties of Substation Metering & Relay Technicians. It outlines how to perform testing, calibration, maintenance, installation and trouble shooting on new or existing equipment and circuit installation. It also details how to obtain line fault data and investigate equipment outages throughout the system on substations and/or switch yard equipment. In addition, this course provides the student with one-on-one time spent in the field with a Substation Metering & Relay Technician.

---

**Type of Course:** Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

**No**

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

**No**

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

**Yes**

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

Are there prerequisites to this course?

**No**

Are there corequisites to this course?

**No**

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

**Yes**

**Recommendations:**

**Requirements:** Apprentices must attend all required days to be eligible for program credits

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?

✓ **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. list and describe the daily functions performed by Substation Metering & Relay Technicians, including work done under the supervision of a manager, and discuss common work environments and expectations,
2. outline substation entry prerequisites, including system controls, signing the log book, observing security protocols and using personal protective equipment (PPE),
3. describe how Substation Metering & Relay Technicians maintain and test transformers, meters and protective relays, both electromechanical and solid state,
4. explain the relevance of electrical, mechanical, and electronic component prints and schematics, technical instructions and diagrams, and personal computers,
5. review how technicians perform intricate and complex tests and calibrations on equipment, how they assess and interpret the test results, and how they use the information for further monitoring or to make improvement recommendations,
6. summarize the methods technicians use to analyze electrical, mechanical, and electronic component prints, schematics, and technical instructions and diagrams to resolve problems and improve equipment operation,
7. discuss relevant technical literature and current issues in technology improvement and electrical theory,
8. describe communication protocols between technicians and other groups and explain the importance of clear communication and the maintenance of accurate testing records,
9. outline the process for assessing and reviewing equipment and working with engineers to make installation, reliability, maintenance and design recommendations,
10. list the steps technicians take to prepare information and instruction materials to support and train peers,
11. describe how technicians identify and resolve equipment outages to rapidly restore power to customers.

---

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

---

Major Topic Outline:

1. Accurate, timely Meter Data Collection (MDC) data gathering and maintenance of energy usage information through operations of the MDC.
2. Troubleshoot existing and new meter communication installations.
3. Analyze energy consumption patterns to identify metering discrepancies.
4. Ensure data used for billing and retail products.
5. Provide support to Metermen for the installation of Automated Meter Infrastructure (AMI) meters.

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

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

Percent of course: 0%

First term to be offered:

**Clackamas Community College**  
Online Course/Outline Submission System

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

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**Course Prefix and Number:** APR - 116UM

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**# Credits:** 1

**Contact hours**

Lecture (# of hours): 11  
Lec/lab (# of hours):  
Lab (# of hours):  
Total course hours: 11

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:** Network Data Operations (NDO) Overview

**Course Description:**

This course will give the meterman apprentice an overview of smart meter operations and associated systems/servers including Meter Data Collection (MDC), Sensus, Total Metering Solution (TMS), and MV90, the industry standard for information collection and storage. The Meterman Apprentice will gain a better understanding of the process around the use of smart meter data, including validation of the usage to ensure accurate readings as well as an understanding of alarms the meter can trigger out in the field.

---

**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):** Electrician Apprenticeship Technologies AAS

Are there prerequisites to this course?

**No**

Are there corequisites to this course?

**No**

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

**No**

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

**No**

Will this class use library resources?

**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?

✓ **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. deliver accurate, timely MDC data gathering and maintenance of energy usage information through operations of the MDC;
2. successfully work with Comm Server Operators and data to resolve TMS, Sensus, and MV90 meter communication errors;
3. provide first level resolution of communication failures and comm server errors,
4. provide support to metermen for the installation of Automated Meter Infrastructure (AMI) meters,
5. troubleshoot existing and new meter communication installations and alarms,
6. provide AMI support to billing specialists and other departments,
7. analyze energy consumption patterns to identify metering discrepancies,
8. ensure data used for billing and retail products and services reflects true operational characteristics,
9. investigate and work with Comm Server Operators to resolve MDC data validation errors,
10. work with Customer Information System (CIS) operations to resolve data errors,
11. execute ad hoc queries as needed to support other parties including management, Retail Products and Services, Customer Service Delivery, Energy Recovery Unit, vendors, and Meter Shop;
12. clean up and correct corrupt data as found during normal work,
13. add new services to the MDC databases,
14. troubleshoot existing and new communications, meter installations plan and test installations for communications and meter technologies.

---

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

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Major Topic Outline:

1. Accurate, timely MDC data gathering and maintenance of energy usage information through operations of the MDC.
2. Troubleshoot existing and new meter communication installations.
3. Analyze energy consumption patterns to identify metering discrepancies.
4. Ensure data used for billing and retail products.
5. Provide support to Metermen for the installation of AMI meters.

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

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

Percent of course: 0%

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

Date approved: February 5, 2016 Certified General Education Area(s): None

### Section #1 General Course Information

**Department:** Apprenticeship

**Submitter**

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

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**Course Prefix and Number:** APR - 116UW

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**# Credits:** 2

**Contact hours**

Lecture (# of hours):  
Lec/lab (# of hours): 40  
Lab (# of hours):  
Total course hours: 40

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

---

**Course Title:** System Control & Data Acquisitions (SCADA) Overview

**Course Description:**

In this course, students will learn the job requirements of a System Control and Data Acquisitions (SCADA) Technician and develop an understanding of the SCADA hardware used at the substations, in the field, and at the System Control Center. The apprentice will be given an overview of how SCADA information is sent from the field to the System Control Center and the troubleshooting techniques used to resolve SCADA telemetry problems. Required: Student Petition.

---

**Type of Course:** Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

**No**

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

**No**

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

**Yes**

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

Are there prerequisites to this course?

**No**

Are there corequisites to this course?

**No**

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

**Yes**

**Recommendations:**

**Requirements:** Student Petition.

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?

✓ **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. describe how SCADA Technicians continually inspect, repair, calibrate and maintain SCADA systems, equipment and related computer software and hardware at substations and other facilities,
2. explain how SCADA Technicians install settings into the main substation Primary Logic Controllers (PLCs),
3. give examples of how SCADA Technicians perform SCADA controls, statuses and analog checkout on new and existing substation equipment, including simulating inputs necessary to fully and accurately test devices providing data to the SCADA system,
4. list the steps for verifying metering quantities relating to SCADA,
5. outline the importance of frequently testing and maintaining RTUs and related equipment,
6. describe how SCADA Technicians test and maintain various SCADA protocols and external interface devices, including RTDs and various EMS components,
7. discuss the importance of SCADA Technicians engaging in independent study to keep up with changing technology and attending vendor and other training schools as required,
8. summarize working conditions for SCADA Technicians, including working alone or with other technicians with minimal supervision, frequently driving considerable distances, working on temporary assignments and responding to emergency call-outs at unscheduled hours,
9. identify and outline ways SCADA Technicians "markup" as-built documentation for as-left conditions or for minor rework as necessary to ensure accurate drawings,
10. describe the daily function of System Control and the Trading Floor located at 3WTC.

---

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

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Major Topic Outline:

1. Complex instrument and control equipment relating to SCADA at substation and other facilities.
2. Inspecting, repairing, calibrating and performing preventive maintenance of SCADA systems.
3. Computer software and hardware, station networks and protocol translators and ensuring equipment is functioning properly.
4. Programmable Logic Controllers (PLCs).
5. SCADA controls, statuses and analog checkout on new and existing substation equipment.
6. Metering quantities relating to SCADA.
7. Station remote terminal units (RTUs) and related equipment.
8. Protocols and external interface devices, including resistance temperature detectors (RTDs).
9. Emergency management system (EMS) components.
10. Emergency call-outs at unscheduled hours.
11. "Markup" as-built documentation.
12. Attending vendor and other training schools as required.
13. Trading Floor located at 3WTC.

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

- |                                      |           |
|--------------------------------------|-----------|
| 1. Increased energy efficiency       | <b>No</b> |
| 2. Produce renewable energy          | <b>No</b> |
| 3. Prevent environmental degradation | <b>No</b> |
| 4. Clean up natural environment      | <b>No</b> |

5. Supports green services

**No**

Percent of course: 0%

First term to be offered:

**Next available term after approval**

:

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**Clackamas Community College**  
Online Course/Outline Submission System

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Show changes since last approval in red

Date approved: June 6, 2014 Certified General Education Area(s): None

**Section #1 General Course Information**

**Department:** Apprenticeship

**Submitter**

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

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**Course Prefix and Number:** APR - 117UM

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**# Credits:** 2

**Contact hours**

Lecture (# of hours):  
Lec/lab (# of hours): 40  
Lab (# of hours):  
Total course hours: 40

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

---

**Course Title:** Special Tester Overview

**Course Description:**

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

---

**Type of Course:** Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

**No**

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

**No**

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

**Yes**

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

Are there prerequisites to this course?

**No**

Are there corequisites to this course?

**No**

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

**Yes**

**Recommendations:**

**Requirements:** Student Petition.

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

**No**

Will this class use library resources?

**No**

Is there any other potential impact on another department?

**No**

Does this course belong on the Related Instruction list?

**No**

**GRADING METHOD:**

A-F Only

**Audit: No**

When do you plan to offer this course?

✓ **Not every term**

Is this course equivalent to another?

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

**No**

Will this course appear in the college catalog?

**No**



Will this course appear in the schedule?

**No**

Student Learning Outcomes:

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

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

---

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

---

Major Topic Outline:

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

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

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

Percent of course: 0%

First term to be offered:

**Next available term after approval**

:

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**Clackamas Community College**  
Online Course/Outline Submission System

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Show changes since last approval in red

Date approved: June 6, 2014 Certified General Education Area(s): None

### Section #1 General Course Information

**Department:** Apprenticeship

**Submitter**

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

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**Course Prefix and Number:** APR - 118UM

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**# Credits:** 2

**Contact hours**

Lecture (# of hours):  
Lec/lab (# of hours): 40  
Lab (# of hours):  
Total course hours: 40

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

---

**Course Title:** Leadman Repairman Overview

**Course Description:**

Apprentices will experience the daily duties of Leadman Repairman as they investigate customer service calls and install, maintain and remove customer services. Required: Student Petition.

---

**Type of Course:** Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

**No**

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

**No**

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

**Yes**

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

Are there prerequisites to this course?

**No**

Are there corequisites to this course?

**No**

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

**Yes**

**Recommendations:**

**Requirements:** Student Petition.

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

**No**

Will this class use library resources?

**No**

Is there any other potential impact on another department?

**No**

Does this course belong on the Related Instruction list?

**No**

**GRADING METHOD:**

A-F Only

**Audit: No**

When do you plan to offer this course?

✓ **Not every term**

Is this course equivalent to another?

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

**No**

Will this course appear in the college catalog?

**No**

Will this course appear in the schedule?

**No**

Student Learning Outcomes:

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

1. summarize how to install, maintain, and remove customer services;
2. explain the general steps of how to set and remove meters,
3. restate how to investigate service interruptions and sectionalize and/or clear damaged equipment with maximum regard to public safety and to speedy restoration of essential service,
4. explain the basic steps to investigate customers' service calls and complaints and correct them, know the evaluation process to see if company equipment is at fault, or advise customer where to seek correction if their equipment is at fault;
5. describe the general concepts of how to operate line and substation switches and control equipment on routine or emergency work and keep familiar with lines and stations,
6. assess how to re-fuse transformers and line devices,
7. explain the responsibilities of a Journeyman Lineman on a line crew,
8. state how to make service connects and disconnects,
9. explain the importance of working computers and applications such as e-mail, Outage Management System (OMS) and Street Light Management system (SLM).

---

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

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Major Topic Outline:

1. Install, maintain, and remove customer services.
2. Set and remove meters.
3. Investigate service.
4. Investigate customers' service calls.
5. Operate line and substation switches and control equipment on routine or emergency work.
6. Keep familiar with lines and stations.
7. Re-fuse transformers and line devices.
8. Work as a Journeyman Lineman on a line crew when necessary.
9. Make service connects and disconnects.
10. Working knowledge of computers and applications.

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

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

Percent of course: 0%

First term to be offered:

**Next available term after approval**

:

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**Clackamas Community College**  
Online Course/Outline Submission System

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Show changes since last approval in red

Date approved: May 18, 2018 Certified General Education Area(s): Arts and Letters

### Section #1 General Course Information

**Department:** Art

**Submitter**

First Name: Nora

Last Name: Brodnicki

Phone: 3036

Email: norab

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**Course Prefix and Number:** ART - 116

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**# Credits:** 4

**Contact hours**

Lecture (# of hours): 33

Lec/lab (# of hours):

Lab (# of hours): 33

Total course hours: 66

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:** Basic Design: Color Theory & Composition

**Course Description:**

Explore the use of color in art. Create charts, paintings and collages that investigate the elements, principles and theory of color. Examine historical and contemporary issues and ideas of color and composition in the arts.

---

**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:**

**✓ Arts and Letters**

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?

**No**

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

**No**

Will this class use library resources?

**Yes**

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

**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 year**

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 color theory;
  2. describe how color can be used in composition and have knowledge of its historical progression; (AL2)
  3. articulate color and design concepts in self and group critiques of compositions; (AL2)
  4. utilize problem-solving skills in color, art and design;
  5. create original works of art that explore color and its connection to ideas, iconography, and/or design; (AL1)
  6. demonstrate skilled use of color for creating make 2-dimensional designs;
  7. use composition and color as a tool for self-expression; (AL1)
  8. display a portfolio of original works of art.
-

**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**

- S** 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**

1. Apply analytical skills to social phenomena in order to understand human behavior.
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:**

:

**Major Topic Outline:**

1. Hue, value, and intensity relationships.
2. Use of tinting and shading.
3. Color mixing, complementary color relationships, degree of saturation.
4. Color interaction.
5. Volume, space, advancing, receding hue.
6. Psychological aspects of color.
7. Historical overview of color use in art.
8. Use of color and composition as a personal form of expression; modern and contemporary examples.

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

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

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)**

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

ART-116

How does it transfer? (Check all that apply)

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

:

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

**Other. Please explain.**

websites

First term to be offered:

**Next available term after approval**

:

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**Clackamas Community College**  
Online Course/Outline Submission System

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Show changes since last approval in red

Date approved: May 19, 2017 Certified General Education Area(s): Arts and Letters

**Section #1 General Course Information**

**Department:** Art

**Submitter**

First Name: Amanda

Last Name: Coffey

Phone: 3257

Email: amandac@clackamas.edu

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**Course Prefix and Number:** DMC - 194

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**# 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 Film

**Course Description:**

Viewing, discussion, and analysis of films from a variety of eras and cultures. Students will learn to analyze a film beyond its surface meaning, drawing on film aesthetics, technology, history, and theory. The interpretive and critical thinking skills they develop can be applied to a variety of modern media.

---

**Type of Course:** Lower Division Collegiate

Is this class challengeable?

**No**

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:**

**✓ Arts and Letters**

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

**Yes**

**Name of degree(s) and/or certificate(s):** Video Production

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-098 or placement in WR-121

**Requirements:**

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

**Yes**

**Have you talked with the appropriate chair?**

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

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 or Pass/No Pass

**Audit: Yes**

When do you plan to offer this course?

✓ **Not every year**

Is this course equivalent to another?

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

**Yes**

Course Number: ENG-194 Title: Introduction to Film

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. analyze and evaluate film as an art form worthy of aesthetic evaluation, incorporating theories from a diverse array of writers and thinkers; (AL 2)
  2. apply the language of film in both informal discussion and written work, including concepts such as point of view, camera angle, parallel editing, three-point lighting, mise en scene, montage, etc.; (AL 2)
  3. discuss film and film history from sociological, psychological, political, and economic perspectives; (AL 2)
  4. identify and apply theories of film such as Feminist, Marxist, Existentialist, Post Modern and Freudian; (AL 2)
  5. describe the interrelated history of film and technology, with reference to advances in the fields of cinematography, sound design, and editing; (AL 2)
  6. imaginatively connect their own experiences to the class films and readings, (AL 1)
  7. construct and defend interpretations of films, cite evidence, and connect films from earlier eras and other cultures to our own. (AL 1) (AL2)
-

**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**

- P**
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**

- S**
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**

1. Apply analytical skills to social phenomena in order to understand human behavior.
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:**

- |                                  |                              |
|----------------------------------|------------------------------|
| ✓ <b>General Examination</b>     | ✓ <b>Projects</b>            |
| ✓ <b>Presentations</b>           | ✓ <b>Writing Assignments</b> |
| ✓ <b>Thesis/Research Project</b> | ✓ <b>Industry Standards</b>  |
| ✓ <b>Criteria</b>                | ✓ <b>Portfolios</b>          |
| ✓ <b>Rubrics</b>                 |                              |

:

**Major Topic Outline:**

1. Film as art.
2. Technology: image and sound.
3. The language of film: signs and syntax.
4. Film history: sociological, psychological, political, and economic perspectives.
5. Film theory: form and function.
6. Interpreting a film, both in discussion and in writing.

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

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

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)** ✓ **UO (University of Oregon)**

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

OU ENG110 Intro to Film and Media  
OSU FILM 125 Intro to Film Studies  
PSU FILM 131 Film Analysis

How does it transfer? (Check all that apply)

**general elective**

:

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

**Correspondence with receiving institution (mail, fax, email, etc.)**

**Other. Please explain.**

catalogue

First term to be offered:

**Specify term:** Fall 2017

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**Clackamas Community College**  
Online Course/Outline Submission System

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Show changes since last approval in red

Date approved: February 6, 2015 Certified General Education Area(s): Arts and Letters

**Section #1 General Course Information**

**Department:** Art

**Submitter**

First Name: Sue  
Last Name: Mach  
Phone: 3262  
Email: suem

---

**Course Prefix and Number:** DMC - 195

---

**# 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:** American Film

**Course Description:**

This course will focus on the history and theory of American filmmaking from 1895 to the present. Film will be reviewed as a visual language and an evolving art form that expresses and influences American culture.

---

**Type of Course:** Lower Division Collegiate

Is this class challengeable?

**No**

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:**

✓ **Arts and Letters**

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

**Yes**

**Name of degree(s) and/or certificate(s):** DMC AAS

Are there prerequisites to this course?

**No**

Are there corequisites to this course?

**No**

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

**Yes**

**Recommendations:** WRD-098 or placement in WR-121

**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 or Pass/No Pass

**Audit: Yes**

When do you plan to offer this course?

**✓ Winter**

Is this course equivalent to another?

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

**Yes**

Course Number: ENG-195 Title: American Film

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. demonstrate an understanding of the “vocabulary” of filmmaking, (AL1) (AL2)
  2. display a broad knowledge of the history of American film, (AL1) (AL2)
  3. exhibit command of the MLA research process,
  4. reveal comprehension of critical film theory, (AL1) (AL2)
  5. demonstrate the ability to analyze and critique film. (AL1) (AL2)
-

**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**

- P** 1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.
- P** 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**

- S** 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**

1. Apply analytical skills to social phenomena in order to understand human behavior.
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**
- ✓ **Thesis/Research Project**

:

**Major Topic Outline:**

1. Birth and childhood of a new art: 1895-1914.
2. Rise of the American film: 1914-1919.
3. Hollywood in the twenties: 1919-1929.
4. Hollywood in the thirties and forties: 1929-1945.
5. Hollywood in transition: 1945-1962.
6. American reemergence: 1963-1974.
7. Here and now: 1975-Present.

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

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

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)**

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

**How does it transfer? (Check all that apply)**

:

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

**First term to be offered:**

**Next available term after approval**

:

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<b>Course Number</b>	<b>Title</b>	<b>Implementation</b>
FRP-255	Physical Fitness and Nutrition for First Responders	2021/SP
FST-205	Fire Instructor I	2021/SP
FST-207	Fire Instructor II	2021/SP
FST-240	Fire Officer I	2021/SP
FST-245	Fire Officer II	2021/SP

**Clackamas Community College**  
Online Course/Outline Submission System

**Consent Agenda Requests**

**Section #1 General Course Information**

**Department:** FEMP

**Submitter**

First Name: Jeff

Last Name: Ennenga

Phone: x3539

Email: jeff.ennenga

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**Course Prefix and Number:** FRP - 255

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**# Credits:** 2

**Contact hours**

Lecture (# of hours):

Lec/lab (# of hours): 44

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:** Physical Fitness and Nutrition for First Responders

**Course Description:**

This course will assist the student in meeting the physical fitness requirements for work in firefighting, and emergency medical services. Includes individual conditioning strategies, nutritional guidelines, basic exercise principles, pre-employment and lifelong fitness and conditioning. The course will prepare students for activities like the Candidate Physical Abilities Test (CPAT), work capacity test and other physical ability tests required for first responders. Students will be required to complete a physical performed by a doctor prior to attending.

---

**Type of Course:** Career Technical Preparatory

**Reason for the new course:**

Industry and student request.

**Is this class challengeable?**

**No**



Can this course be repeated for credit in a degree?

**No**

Is general education certification being sought at this time?

**No**

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

**No**

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

**Yes**

**Name of degree(s) and/or certificate(s):** Wildland Fire Management AAS, Fire Science (Wildland) Certificate of Completion

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:** Have adequate outdoor exercise attire and be prepared for arduous physical activity

**Requirements:** Complete a physical performed by a doctor prior to attending

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?

**Yes**

**Area:** Physical Education/Health

**GRADING METHOD:**

A-F or Pass/No Pass

**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. design and apply a lifelong personal fitness and nutrition program to improve personal physical condition and wellness, to meet the physical requirements of structural and wildland firefighting, and emergency medical services tasks;
2. apply skills related to the physical and mental aspects of performance required as a first responder;
3. apply decision-making skills related to health and fitness to improve performance, productivity, and quality of life in the workplace;
4. adjust and adapt physically and mentally to environmental factors present (e.g., protective clothing, equipment) and tasks involved in responding to emergencies.

---

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

---

Major Topic Outline:

1. Physical requirements of first responders.
2. Exercise principles and physiology.
3. Physical fitness including; flexibility, aerobic conditioning, muscular strength and muscular endurance.
4. Nutrition for arduous activity.
5. Injury prevention.
6. Physical effects of environment.
7. Proper exercise techniques.
8. Mental aspects of performance.

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

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

Percent of course: 0%

First term to be offered:

**Clackamas Community College**  
Online Course/Outline Submission System

**Consent Agenda Requests**

**Section #1 General Course Information**

**Department:** FEMP

**Submitter**

First Name: Jeff

Last Name: Ennenga

Phone: 3539

Email: jeff.ennenga

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**Course Prefix and Number:** FST - 205

---

**# Credits:** 3

**Contact hours**

Lecture (# of hours): 32

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 32

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:** Fire Instructor I

**Course Description:**

The Instructor I course is designed to give the student the knowledge and ability to teach from prepared materials in multi-discipline activities found within public safety (fire, law enforcement, wildland, emergency medical services, etc.). Prepares the program participants for planning instruction, using a variety of instructional methods, teaching diverse learners, and evaluating course outcomes. This course meets the competency standards established by the National Fire Protection Association (NFPA) 1041 Standard for Fire Service Instructor Professional Qualifications, Instructor I.

---

**Type of Course:** Career Technical Preparatory

**Reason for the new course:**

Industry request. This course will be a part of a 1 yr CCC and AAS.

**Is this class challengeable?**

**No**

Can this course be repeated for credit in a degree?

**No**

Is general education certification being sought at this time?

**No**

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

**No**

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

**Yes**

**Name of degree(s) and/or certificate(s): w**

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 year**

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?

**No**

Student Learning Outcomes:

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

1. select methods and techniques for educating and training students in accordance with the latest concepts and standards;
2. demonstrate the management of basic instructional resources, records, and reports essential to the instructional process;
3. describe guidelines for addressing the critical issues of safety and the legal issues of training;
4. demonstrate proficiency in defining measurable objectives for teaching methodology;
5. present a prepared lesson and adjust to learning styles, abilities and behaviors;
6. administer oral, written or performance assessments and provide feedback.

---

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

---

Major Topic Outline:

1. Concepts of learning.
2. Instructors' roles and responsibilities
3. Human relations and communication in the teaching-learning environment.
4. Methods of teaching.
5. Organizing the learning environment.
6. Record keeping and report writing.
7. Testing and evaluation.

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

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

Percent of course: 0%

First term to be offered:

**Next available term after approval**

:

**Clackamas Community College**  
Online Course/Outline Submission System

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

First Name: Jeff  
Last Name: Ennenga  
Phone: 3539  
Email: jeff.ennenga

---

**Course Prefix and Number:** FST - 207**# Credits:** 4**Contact hours**

Lecture (# of hours): 40  
Lec/lab (# of hours):  
Lab (# of hours):  
Total course hours: 40

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

---

**Course Title:** Fire Instructor II**Course Description:**

The Instructor II course is designed to give the student the knowledge and ability to develop and adapt curriculum used to instruct public safety (fire, law enforcement, wildland, emergency medical services, etc.) personnel. Uses an intensive instructional methodology program to prepare the participant for planning and developing all aspects of course curriculum. This course meets the competency standards established by the National Fire Protection Association (NFPA) 1041 Standard for Fire Service Instructor Professional Qualifications, Instructor II.

---

**Type of Course:** Career Technical Preparatory**Reason for the new course:**

Industry request. This course will become part of a 1 yr CC and AAS.

**Is this class challengeable?****No**

Can this course be repeated for credit in a degree?

**No**

Is general education certification being sought at this time?

**No**

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

**No**

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

**Yes**

**Name of degree(s) and/or certificate(s):** Wildland Fire Management AAS, Fire Science (Wildland) CC

Are there prerequisites to this course?

**Yes**

**Pre-reqs:** FST-205

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

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

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 year**

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?

**No**

Student Learning Outcomes:

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

1. perform a training needs analysis, prepare a budget, acquire training resources and manage training records;
2. develop or modify an existing lesson plan;
3. conduct a class using a lesson plan that the student has prepared;
4. supervise other instructors and students during class;
5. develop student and course evaluations.

---

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

---

Major Topic Outline:

1. Training needs analysis.
2. Task analysis.
3. Course goals and objectives development.
4. Lesson plan development.
5. Instructional support materials and evaluation instruments.

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

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

Percent of course: 0%

First term to be offered:

**Next available term after approval**

:



## Clackamas Community College

### Online Course/Outline Submission System

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#### Section #1 General Course Information

**Department:** FEMP

**Submitter**

First Name: Jeff

Last Name: Ennenga

Phone: 3539

Email: jeff.ennenga

---

**Course Prefix and Number:** FST - 240

---

**# Credits:** 4

**Contact hours**

Lecture (# of hours): 40

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 40

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

---

**Course Title:** Fire Officer I

**Course Description:**

This course is part I of the Fire Officer series and is designed for the first-line company officer/supervisor and satisfies the requirements of the National Fire Protection Association (NFPA) 1021 Standard for Fire Officer Professional Qualifications, Chapter four Fire Officer I. It is designed around classroom lectures and group exercises to improve the student's abilities to manage a single fire company. This includes responsibilities such as the development of an Incident Action Plan (IAP), personnel management and mentoring, and community relations.

---

**Type of Course:** Career Technical Preparatory

**Reason for the new course:**

Industry request. Course will eventually be part of a 1 yr CC and AAS.

**Is this class challengeable?**

**Yes**

**Can this course be repeated for credit in a degree?**

**No**

Is general education certification being sought at this time?

**No**

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

**No**

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

**Yes**

**Name of degree(s) and/or certificate(s):** Wildland Fire Management AAS, Fire Science (Wildland) CC

Are there prerequisites to this course?

**Yes**

**Pre-reqs:** FRP-291, FRP-292

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

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

Are there corequisites to this course?

**No**

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

**No**

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

**No**

Will this class use library resources?

**Yes**

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

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

Is there any other potential impact on another department?

**No**

Does this course belong on the Related Instruction list?

**No**

**GRADING METHOD:**

A-F or Pass/No Pass

**Audit: No**

When do you plan to offer this course?

✓ **Not every year**

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?

**No**

Student Learning Outcomes:

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

1. assign tasks or responsibilities to unit members;
2. direct unit members during a training evolution;
3. recommend action for member-related problems;
4. apply human resource policies and procedures;
5. coordinate the completion of assigned tasks and projects by members;
6. initiate action on a community need and to a citizen's concern;
7. recommend changes to existing departmental policies and/or implement a new departmental policy at the unit level.

---

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

---

Major Topic Outline:

1. Role of the Fire Officer.
2. Public relations.
3. Recognizing and managing cultural diversity.
4. Safety and wellness of fire personnel.
5. Management within an organizational structure.
6. Community awareness.
7. Building construction.
8. Incident command system (ICS).
9. Fire Officer responsibilities in compliance and accountability.
10. Fire safety education.
11. Functional leadership.
12. Fire cause determination.
13. Problem solving.
14. Performance appraisals.
15. Effective communication skills.
16. Incident strategy & tactics.

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

- |                                |           |
|--------------------------------|-----------|
| 1. Increased energy efficiency | <b>No</b> |
| 2. Produce renewable energy    | <b>No</b> |

- 3. Prevent environmental degradation     **Yes**
- 4. Clean up natural environment         **No**
- 5. Supports green services                **No**

Percent of course: 10%

First term to be offered:

**Next available term after approval**

:

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**Clackamas Community College**  
Online Course/Outline Submission System

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

First Name: Jeff

Last Name: Ennenga

Phone: 3539

Email: jeff.ennenga

**Course Prefix and Number:** FST - 245**# Credits:** 4**Contact hours**

Lecture (# of hours): 40

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 40

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

---

**Course Title:** Fire Officer II**Course Description:**

This course is part II of the Fire Officer series and is designed as a continuation for the first-line company officer/supervisor and satisfies the requirements of the National Fire Protection Association (NFPA) 1021 Standard for Fire Officer Professional Qualifications, Chapter four Fire Officer I. It is designed around classroom lectures and group exercises to improve the student's abilities to manage a single fire company. This includes responsibilities such as the development of an Incident Action Plan (IAP), personnel management and mentoring, and community relations.

---

**Type of Course:** Career Technical Preparatory**Reason for the new course:**

Industry request. Course will become part of a 1 yr CC and AAS.

**Is this class challengeable?****No****Can this course be repeated for credit in a degree?**

**No**

Is general education certification being sought at this time?

**No**

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

**No**

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

**Yes**

**Name of degree(s) and/or certificate(s):** Wildland Fire Management AAS, Fire Science (Wildland) CC

Are there prerequisites to this course?

**Yes**

**Pre-reqs:** FST-240

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

**No**

Are there corequisites to this course?

**No**

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

**No**

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

**No**

Will this class use library resources?

**Yes**

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

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

Is there any other potential impact on another department?

**No**

Does this course belong on the Related Instruction list?

**No**

**GRADING METHOD:**

A-F or Pass/No Pass

**Audit: No**

When do you plan to offer this course?

**✓ Not every year**

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?

**No**

Student Learning Outcomes:

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

1. execute routine unit-level administrative functions and prepare a budget request;
2. explain the purpose of each management component of the organization;
3. explain the needs and benefits of collecting incident response data;
4. describe the procedures of the AHJ for conducting fire inspections;
5. identify construction, alarm, detection, and suppression features that contribute to or prevent the spread of fire, heat, and smoke throughout the building or from one building to another;
6. develop and implement an incident action plan at an emergency operation;
7. develop and conduct a post-incident analysis;
8. apply safety regulations at the unit level;
9. conduct an initial accident investigation;
10. explain the benefits of being physically and medically capable of performing assigned duties.

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

---

Major Topic Outline:

1. Role and responsibilities of the Fire Officer II,
2. Community and public relations.
3. Recognizing & Managing Cultural Diversity.
4. Safety and wellness of fire personnel.
5. Management within organizational structure.
6. Principles of building construction.
7. Intermediate incident command system (ICS).
8. Fire Officer responsibilities in compliance and accountability.
9. Fire safety education.
10. Functional leadership.
11. Fire cause determination.
12. Problem solving and conflict resolution.
13. Performance appraisals.
14. Effective communication skills.
15. Intermediate incident strategy and tactics.

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

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

Percent of course: 10%

First term to be offered:

**Next available term after approval**

:

---



Program	Implementation
<b>Group 1</b>	
AS, Computer Science, PSU	2021/SU
<b>Group 2</b>	
Construction Trades, General Apprenticeship AAS	2021/SU
Electrician Apprenticeship Technologies AAS	2021/SU
Industrial Mechanics and Maintenance Technology Apprenticeship AAS	2021/SU
<b>Group 3</b>	
Accounting Assistant AAS	2021/SU
Accounting Clerk CC	2021/SU
<b>Group 4</b>	
Horticulture AAS	2021/SU
Horticulture CC	2021/SU
Landscape Management AAS	2021/SU
Landscape Management AAS, Arboriculture Option	2021/SU
Landscape Practices CC	2021/SU
<b>Group 5</b>	
Gerontology CC	2021/SU
Gerontology for Health Care Professionals CPCC	2021/SU
Human Services Generalist AAS	2021/SU
Human Services Generalist CC	2021/SU
<b>Group 6</b>	
AA Degree, Oregon Transfer	2021/SU
Associate of General Studies	2021/SU
AS, Oregon Transfer - Business	2021/SU
AS, Oregon Transfer, Computer Science	2021/SU
Oregon Transfer Module	2021/SU
AS, Biological Engineering, OSU	2021/SU
AS, Biology, OSU	2021/SU
AS, Chemical Engineering, OSU	2021/SU
AS, Civil Engineering, OSU	2021/SU
AS, Construction Engineering Management, OSU	2021/SU
AS, Ecological Engineering, OSU	2021/SU
AS, Electrical Engineering, OSU	2021/SU
AS, Energy Systems Engineering, OSU	2021/SU
AS, Environmental Engineering, OSU	2021/SU
AS, Industrial/Manufacturing Engineering, OSU	2021/SU
AS, Mechanical Engineering, OSU	2021/SU
AS, Music, PSU	2021/SU
Digital Media Communications AAS	2021/SU
Music Performance & Technology AAS	2021/SU

<b>Group 7: AS Engineering OIT</b>	
AS, Electrical Engineering, OIT	2021/SU
AS, Mechanical Engineering, OIT	2021/SU
AS, Renewable Energy Engineering, OIT	2021/SU



## COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

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

<b>College:</b>	Clackamas Community College	<b>Date:</b>	
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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 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<i>APPROVED</i> Recognition Award	Current Credits
	<i>6-digit CIP</i>	<i>7<sup>th</sup> digit</i>	<i>8<sup>th</sup> digit</i>		
<b>AS Area of Emphasis Title:</b> <b>AS, Computer Science, PSU</b> AS.PSUCOMPSCI				<b>Associate of Applied Science Area of Emphasis</b>	<b>100-106</b>
<b>Partnering Institution Name</b> <b>Portland State University</b>					


Last amendment approved on 1/24/20

TYPE OF PROGRAM AMENDMENT			
<small>(Check ALL That Apply)</small>			
<input type="checkbox"/> <b>New Agreement</b>	<input type="checkbox"/> <b>Curriculum Revision</b>	<input type="checkbox"/> <b>Revision in Program Credits</b>	
		<i>Proposed Total Credits:</i>	<b>100-102</b>
<input type="checkbox"/> <b>SUSPENSION of Program</b>	<i>Reason for Suspension:</i>		
<b>Suspension Effective Date:</b>			

## 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.]

<b>CURRENT CURRICULUM 20-21</b> [List entire curriculum as last approved]				<b>PROPOSED CURRICULUM 21-22</b> [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Program Requirements – First Year</b>							
<b>Fall Term</b>							
BI-211 or CH-221 or PH-211	General Biology for Science Majors (Cellular Biology) or General Chemistry or General Physics with Calculus	70-77	5	Move to Term 5			
CS-161	Computer Science I	44	4				
MTH-251	Calculus I	55	5				
				CS-160	Computer Science Orientation	44	4
<b>Winter Term</b>							
BI-212 or CH-222 or PH-212	General Biology for Science Majors (Animal Biology) or General Chemistry or General Physics with Calculus	70-77	5	Move to Term 6			
CS-162	Computer Science II	44	4				
MTH-252	Calculus II	55	5				
				--	Science electives		4
<b>Spring Term</b>							
BI-213 or CH-223 or PH-213	General Biology for Science Majors (Plant Biology & Ecology) or General Chemistry or General Physics with Calculus	70-77	5	Move to Term 7			
CS-140L	Linux for Programmers	44	4				
CS-260	Data Structures	44	4				
MTH-253	Calculus III	55	5				
				--	Arts & Letters or Social Science electives		3-4
<b>Summer Term</b>							
COMM-111	Public Speaking	44	4				
WR-121	English Composition	44	4				
--	Arts & Letters or Social Science electives		3-4	Move to Term 3			
--	Arts & Letters or Social Science electives		3-4	--	Arts & Letters or Social Science electives		4
				MTH-261	Linear Algebra	44	4
<b>Program Requirements – Second Year</b>							
<b>Fall Term</b>							
CS-201	Computer Systems II	44	4				
--	Arts & Letters or Social Science electives		3-4	--	Arts & Letters or Social Science electives		4
--	Science electives		4	Move to Term 2			
				BI-211 or CH-221 or PH-211	General Biology for Science Majors (Cellular Biology) or General Chemistry or	70-77	5

					General Physics with Calculus		
Winter Term							
CS-202	Program Structures	44	4				
CS-250	Discrete Structures I	44	4				
WR-227	Technical Report Writing	44	4				
--	Computer Science recommended electives		3-4	REMOVE			
				BI-212 or CH-222 or PH-212	General Biology for Science Majors (Animal Biology) or General Chemistry or General Physics with Calculus	70-77	5
Spring Term							
CS-251	Discrete Structures II	44	4				
MTH-261	Linear Algebra	44	4	Move to Term 4			
--	Arts & Letters or Social Science electives		3-4	REMOVE			
--	Computer Science recommended electives		3-4				
				BI-213 or CH-223 or PH-213	General Biology for Science Majors (Plant Biology & Ecology) or General Chemistry or General Physics with Calculus	70-77	5
Arts & Letters Electives							
Art (ART), Music (MUS) or Theatre Arts (TA) courses 100 level or above relating to history and appreciation, not performance, or any 100 level or above course in the prefixes of: ASL, BA, COMM, ENG, FR, GER, HUM, J, MUP, PHL, R, SPN, WR							
Social Science Electives							
Any 100-level or above in the prefixes of: ANT, EC, GEO, HST, PS, PSY, SOC, SSC, WS							
Computer Science Electives							
CS-160*, CS-125H, CS-133S, CS-234J, and CS-234P, CS-240L *Highly recommended				Any CS course not already included in the program			
Science Electives							
Any General Education science course listed under prefixes: BI, CH, ESR, G, and PH on p. 52 of this catalog.							
<b>TOTAL CURRENT CREDITS:</b>			100-106	<b>TOTAL PROPOSED CREDITS:</b>			100-102
<b>College Contact</b>	Jen Miller/Rich Albers			<b>Telephone No.</b>			
<b>E-Mail Address</b>				<b>Fax No.</b>			
<b>Chief Academic Officer or CTE Dean Signature</b>						<b>Date</b>	12/16/20



## 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>

<b>College:</b>	Clackamas Community College	<b>Date</b>	
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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 <a href="http://www.ode.state.or.us/search/results/?id=232">http://www.ode.state.or.us/search/results/?id=232</a>)</small>	<i>APPROVED</i> CIP Code <small>(Include 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<i>APPROVED</i> Recognition Award	Current Credits
	<i>6-digit CIP</i>	<i>7<sup>th</sup> digit</i>	<i>8<sup>th</sup> digit</i>		
<b>Parent Program</b> Construction Trades, General Apprenticeship AAS	46.0000	N	*	<input type="checkbox"/> Statewide AAS (90-108 credits)	90-95
<b>Apprenticeship Areas:</b> Plumber (PB) Painter (PT)	AAS.CONSTRUCTPB AAS.CONSTRUCTPT			<input type="checkbox"/>	
<b>Related Certificates:</b> Construction Trades, General Apprenticeship SCC1 Manual Apprenticeship Trades SCPC				<input type="checkbox"/>	

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

Last amendment approved on 10.18.19

### TYPE OF PROGRAM AMENDMENT


(Check ALL That Apply)

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

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

## CURRICULUM AMENDMENT

<i>CURRENT CURRICULUM 20-21</i>				<i>PROPOSED CURRICULUM 21-22</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
APR000	Apprenticeship Credit for Prior Certification		22				
APR1000	Computation Related Instruction		4-5	APR1000	Computation Related Instruction (except MTH-080)		4-5
APR2000	Communication Related Instruction		3-4				
APR3000	Human Relations Related Instruction		3-4				
PEHREQ000	PE/Health Related Instruction		1-3				
APRPB000	Apprenticeship-Plumber (PB) SAAS		57				
APR-109PB	Plumbing Conservation Systems	15	1				
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				
APRPT000	Apprenticeship-Painter (PT)		18				
--	Painter (PT) Electives (Any 100-level course or above)		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				
<b>TOTAL CURRENT CREDITS:</b>			90-95	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>		<b>Telephone No.</b>	
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>			<b>Date</b> 12/15/20

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## COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

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

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

<b>College:</b>	Clackamas Community College	<b>Date</b>	
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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 <a href="http://www.ode.state.or.us/search/results/?id=232">http://www.ode.state.or.us/search/results/?id=232</a>)</small>	<i>APPROVED</i> CIP Code <small>(Include 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<i>APPROVED</i> Recognition Award	Current Credits
	<i>6-digit CIP</i>	<i>7<sup>th</sup> digit</i>	<i>8<sup>th</sup> digit</i>		
<b>Parent Program</b> <b>Electrician Apprenticeship Technologies AAS</b>	<b>46.0301</b>	<b>I</b>	<b>*</b>	<input type="checkbox"/> <b>Statewide AAS (90-108 credits)</b>	<b>90-101</b>
<b>Apprenticeship Area:</b> Inside Electrician (IE) Limited Energy (LE) Lineman (UL) Meterman (UM) Wireman (UW) Limited Maintenance Electrician (LME) Line Estimator (UE)	AAS.ELECTRICIANIE AAS.ELECTRICIANLE AAS.ELECTRICIANUL AAS.ELECTRICIANUM AAS.ELECTRICIANUW AAS.ELECTRICIANLME AAS.ELECTRICIANUE			<input type="checkbox"/>	
<b>Related Certificates:</b> Electrician Apprenticeship Technologies SCC1 Limited License Electrician Apprenticeship Technologies SCPC				<input type="checkbox"/>	

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

Last amendment approved on 3/20/20

### TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

<b>New Program++</b> <b>Title Change for Program</b>	<b>Curriculum Revision</b>	<input type="checkbox"/> <b>Revision in Program Credits</b>
		<i>Proposed Total Credits:</i> <b>90-102</b>
<i>Proposed AAS Title:</i>		
<i>Proposed OPTION Title:</i>		
<i>Proposed Certificate Title:</i>		
<input type="checkbox"/> <b>SUSPENSION of Program</b>	<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.]

<b>CURRENT CURRICULUM 20-21</b> [List entire curriculum as last approved]				<b>PROPOSED CURRICULUM 21-22</b> [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		3-4	APR1000	Computation Related Instruction (except MTH-080)		4-5
APR2000	Communication Related Instruction		3-4				
APR3000	Human Relations Related Instruction		3-4				
PEHREQ000	PE/Health Related Instruction		1-3				
APRIE000	Apprenticeship-Inside Electrician (IE)		46				
--	Inside Electrician (IE) Electives		12-7	--	Inside Electrician (IE) Electives		11-6
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-185IE	Electrical Systems	36	3				
APR-235IE	Special Installations	36	3				
APR-236IE	Motors & Controls	36	3				
APR-236IEL	Motors & Controls Lab	36	1				
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	--	Limited Energy (LE) Electives		21-16
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	Security Systems	48	4				
APR-217LE	Integrated Systems	48	4				
APR-218LE	Fire Alarm Systems	48	4				
APR-219LE	ADA & Code	48	4				

<b>APRUL000</b>	<b>Apprenticeship-Lineman (UL)</b>		<b>62</b>	<b>APRUL000</b>	<b>Apprenticeship-Lineman (UL)</b>		<b>48</b>
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	REMOVE			
APR-116UL	Six Month Pole Yard Review Training	40	2	REMOVE			
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	REMOVE			
APR-126UL	Troubleman Training	80	4	REMOVE			
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				
				--	Lineman (UL) Electives		14
<b>APRUM000</b>	<b>Apprenticeship-Meterman (UM)</b>		<b>59</b>	<b>APRUM000</b>	<b>Apprenticeship-Meterman (UM)</b>		<b>48</b>
APR-110UM	Initial Meterman Training	80	4	REMOVE			
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	REMOVE			
APR-116UM	Network Data Operations (NDO) Overview	11	1	REMOVE			
APR-117UM	Special Tester Overview	40	2	REMOVE			
APR-118UL	Transformer Connections I	24	1				
APR-118UM	Leadman Repairman Overview	40	2	REMOVE			
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				
				--	Meterman (UM) Electives		11

APRUW000	Apprenticeship-Wireman (UW)		64	APRUW000	Apprenticeship-Wireman (UW)		45
APR-110UW	Initial Substation Wireman Training	80	4	REMOVE			
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	REMOVE			
APR-116UW	System Control & Data Acquisitions (SCADA) Overview	40	2	REMOVE			
APR-117UW	Safety Coordinator Overview	20	1	REMOVE			
APR-118UW	Substation Operator Overview	40	2	REMOVE			
APR-119UW	Batteryman Overview	40	2	REMOVE			
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 Hotstick Training	80	4	REMOVE			
APR-128UW	Transformer Shop Overview	40	2	REMOVE			
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				
				--	Wireman (UW) Electives		19
APRLME000	Apprenticeship-Limited Maintenance Electrician (LME)		28				
--	Limited Maintenance Electrician (LME) Electives		30-25	--	Limited Maintenance Electrician (LME) Electives		29-24
APR-104LM	Reading Schematics and Symbols	22	2				
APR-108LM	ARC Flash Electrical Safety	10	1				
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				
HE-261	Community CPR	10	1				
APRUE000	Apprenticeship-Line Estimator (UE)		57				
APR-111UE	Line Estimator Basic I: Tools and Equipment	44	4				
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				
*4 credits of Computation required for Line Estimator (UE)							
				Electives may be any 100-level course or above			
<b>TOTAL CURRENT CREDITS:</b>			90-101	<b>TOTAL PROPOSED CREDITS:</b>			90-102

<b>College Contact</b>		<b>Telephone No.</b>	
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>			<b>Date</b> 12/15/20

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**COMMUNITY COLLEGE PROGRAM AMENDMENT FORM**

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

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<b>College:</b>	Clackamas Community College	<b>Date</b>	
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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 <a href="http://www.ode.state.or.us/search/results/?id=232">http://www.ode.state.or.us/search/results/?id=232</a>)</small>	<i>APPROVED</i> CIP Code <small>(Include 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<i>APPROVED</i> Recognition Award	Current Credits
	<i>6-digit CIP</i>	<i>7<sup>th</sup> digit</i>	<i>8<sup>th</sup> digit</i>		
<b>Parent Program</b> <b>Industrial Mechanics and Maintenance Technology Apprenticeship AAS</b> AAS.MACHINIST	47.0303	N	*	<input type="checkbox"/> Statewide AAS (90-108 credits)	90-96
<b>Apprenticeship Areas:</b>				<input type="checkbox"/>	
<b>Related Certificates:</b> Mechanics and Maintenance Apprenticeship Technologies: Trade Worker Apprenticeship Technologies CPCC				<input type="checkbox"/>	


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

New program approved on 5/1/2020

TYPE OF PROGRAM AMENDMENT		
(Check ALL That Apply)		
<b>New Program++</b> Title Change for Program	<b>Curriculum Revision</b>	<input type="checkbox"/> <b>Revision in Program Credits</b>
		<i>Proposed Total Credits:</i> <b>90-94</b>
<i>Proposed AAS Title:</i>		
<i>Proposed OPTION Title:</i>		
<i>Proposed Certificate Title:</i>		
<input type="checkbox"/> <b>SUSPENSION of Program</b>	<i>Reason for Suspension:</i>	
<b>Suspension Effective Date:</b>		

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

CURRICULUM AMENDMENT							
CURRENT CURRICULUM 20-21				PROPOSED CURRICULUM 21-22			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
APR000	Apprenticeship Credit for Prior Certification		22				
APR1000	Computation Related Instruction		3-5	REMOVE			
APR2000	Communication Related Instruction		3-4				
APR3000	Human Relations Related Instruction		3-4				
PEHREQ000	PE/Health Related Instruction		1-3				
--	Apprenticeship-Machinist (MA) SAAS		28				
APRMAEL000	Machinist (MA) Electives		30	APRMAEL000	Machinist (MA) Electives		33
APR-104MA	Print Reading	24	2				
APR-111MA	Machine Tool Fundamentals I	132	6				
MTH-080	Technical Mathematics II	33	3	MTH-080	Technical Mathematics II	33	3
APR-112MA	Machine Tool Fundamentals II	132	6				
APR-201MA	CNC I: Set-up and Operation	88	4				
APR-202MA	CNC II: Programming & Operation	88	4				
APR-106MA	Advanced Applied Geometric Dimensioning and Tolerancing for Manufacturing	33	3				
				Electives may be any 100-level course or above			
<b>TOTAL CURRENT CREDITS:</b>			90-96	<b>TOTAL PROPOSED CREDITS:</b>			90-94

<b>College Contact</b>		<b>Telephone No.</b>	
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>			<b>Date</b> 12/15/20

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## COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

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

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<b>College:</b>	Clackamas Community College	<b>Date</b>	
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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 checked="" type="checkbox"/> Business & Management	<input type="checkbox"/> Industrial & Engineering Systems

### PROGRAM INFORMATION

<u>APPROVED</u> Program Title	<u>APPROVED</u> CIP Code (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)			<u>APPROVED</u> Recognition Award	Current Credits
(For Official Program Title, refer to your directory at <a href="http://www.ode.state.or.us/search/results/?id=232">http://www.ode.state.or.us/search/results/?id=232</a> )	6-digit CIP	7 <sup>th</sup> digit	8 <sup>th</sup> digit	<input checked="" type="checkbox"/> AAS (90-108 credits)	90
	<b>AAS Title:</b> <b>Accounting Assistant</b> AAS.ACCNTGASST	52.0301			
<b>Option Title**</b>				<input type="checkbox"/> <i>OPTION</i> to AAS Degree	
<b>Related Programs:</b> Accounting Clerk Certificate				<input type="checkbox"/> Certificate of Completion	

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

LAST AMENDMENT APPROVED ON 05.15.2020

### TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

<input type="checkbox"/> <b>New Program++</b>	<input type="checkbox"/> <b>Curriculum Revision</b>	<input type="checkbox"/> <b>Revision in Program Credits</b>
<input type="checkbox"/> <b>Title Change for Program</b>		<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"/> <b>SUSPENSION of Program</b>	<i>Reason for Suspension:</i>	
<b>Suspension Effective Date:</b>	<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.]

<i>CURRENT CURRICULUM 20-21</i> [List entire curriculum as last approved]				<i>PROPOSED CURRICULUM 21-22</i> [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
1 <sup>st</sup> Year							
Fall Term							
BA-101	Introduction to Business	44	4				
<b>BA-104</b>	<b>Business Math</b>	<b>33</b>	<b>3</b>				
BA-111	General Accounting I	33	3				
<b>WR-121</b>	<b>English Composition</b>	<b>44</b>	<b>4</b>				
Winter Term							
BA-131	Introduction to Business Computing	44	4				
*BA-156 Or EC-201	Business Forecasting Or Principles of Economics: MICRO	33-44	3-4				
BA-177	Payroll Accounting	33	3				
BA-211	Financial Accounting I	44	4	Move to Term 3			
--	<b>PE/Health/Safety/Fi rst Aid requirement</b>		<b>1</b>				
				BA-112	General Accounting II	33	3
Spring Term							
BA-205	Business Communications with Technology	44	4				
BA-212	Financial Accounting II	44	4	REMOVE			
<b>BA-285</b>	<b>Human Relations in Business</b>	<b>44</b>	<b>4</b>				
CS-135S	Microsoft Excel	33	3				
				BA-211	Financial Accounting I	44	4
2 <sup>nd</sup> Year							
Fall Term							
BA-213	Decision Making with Accounting Information	44	4				
BA-218	Personal Finance	44	4				
BA-226	Business Law I	44	4				
WR-227	Technical Report Writing	44	4				
Winter Term							
BA-216	Cost Accounting	44	4				
BA-256	Income Tax Accounting	44	4				
*---	Program Electives		7-8	*---	Program Electives		8-9
Spring Term							
BA-217	Budgeting for Managers	33	3				
BA-228	Computerized Accounting	33	3				

BA-240	Introduction to Financial Management	44	4				
BA-255	Advanced Topics in Accounting	44	4				
Accounting Assistant Program Electives							
Any Business Administration (BA) or Business Technology (BT) course not included in the Accounting Assistant program.				Any Business Administration (BA) or Business Technology (BT) course not included in the Accounting Assistant program, or EC-201 or EC-202.			
*Students who take BA-156 must complete 8 elective credits. Students who take EC-201 must complete 7 elective credits.				*Students who take BA-156 must complete 9 elective credits. Students who take EC-201 must complete 8 elective credits.			
<b>TOTAL CURRENT CREDITS:</b>			90	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Dr. Joan San-Claire	<b>Telephone No.</b>	3013
<b>E-Mail Address</b>	joan.san-claire@clackamas.edu	<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>			<b>Date</b> 12/29/20



## COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

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<b>College:</b>	Clackamas Community College	<b>Date</b>	
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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 checked="" 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 <a href="http://www.ode.state.or.us/search/results/?id=232">http://www.ode.state.or.us/search/results/?id=232</a>)</small>	<u>APPROVED</u> CIP Code			<u>APPROVED</u> Recognition Award	Current Credits
	<i>6-digit CIP</i>	<i>7<sup>th</sup> digit</i>	<i>8<sup>th</sup> digit</i>		
<b>Parent AAS Title:</b> Accounting Assistant AAS				<input type="checkbox"/> Associate of Applied Science (AAS) Degree	
<b>Option Title**</b>				<input type="checkbox"/> <i>OPTION</i> to AAS Degree	
<b>Certificate Title:</b> <i>Within</i> AAS Degree? <input checked="" type="checkbox"/> Yes** <input type="checkbox"/> No Accounting Clerk CC.ACNTGLERK	52.0302	J	*	<input type="checkbox"/> CC1R Related Certificate (45-60 credits)	45

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

LAST AMENDMENT APPROVED ON 05.15.2020

### TYPE OF PROGRAM AMENDMENT


(Check ALL That Apply)

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

## 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><b>CURRENT CURRICULUM 20-21</b></i> [List entire curriculum as last approved]				<i><b>PROPOSED CURRICULUM 21-22</b></i> [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>First Term</b>							
BA-101	Introduction to Business	44	4				
<b>BA-104</b>	<b>Business Math</b>	<b>33</b>	<b>3</b>				
BA-111	General Accounting I	33	3				
<b>WR-121</b>	<b>English Composition</b>	<b>44</b>	<b>4</b>				
<b>Second Term</b>							
*BA-112	General Accounting II	33	3	BA-112	General Accounting II	33	3
BA-131	Introduction to Business Computing	44	4				
**BA-156 Or EC-201	Business Forecasting Or Principles of Economics: MICRO	33-44	3-4	*BA-156 Or EC-201	Business Forecasting Or Principles of Economics: MICRO	33-44	3-4
BA-177	Payroll Accounting	33	3				
<b>Third Term</b>							
BA-211	Financial Accounting I	44	4				
BA-228	Computerized Accounting	33	3				
<b>BA-285</b>	<b>Human Relations in Business</b>	<b>44</b>	<b>4</b>				
CS-135S	Microsoft Excel	33	3				
**---	Program Electives		3-4	*---	Program Electives		3-4
<b>Accounting Clerk Program Electives</b>							
Any Business Administration (BA) or Business Technology (BT) course not included in the Accounting Clerk program.				Any Business Administration (BA) or Business Technology (BT) course not included in the Accounting Clerk program, or EC-201 or EC-202.			
<b>Catalog Notes</b>							
*BA-212 may be taken instead of BA-112. BA-112 is recommended for students who wish to study small business accounting, whereas BA-212 is corporate-focused. BA-212 is required for the AAS degree. **Students who take BA-156 must complete 4 elective credits. Students who take EC-201 must complete 3 elective credits.				*Students who take BA-156 must complete 4 elective credits. Students who take EC-201 must complete 3 elective credits.			
Courses in this program can be applied to satisfy elective requirements in the Business AAS degree.							
<b>TOTAL CURRENT CREDITS:</b>			45	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Dr. Joan San-Claire	<b>Telephone No.</b>	3013
<b>E-Mail Address</b>	joan.san-claire@clackamas.edu	<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>		<b>Date</b>	<b>12/29/20</b>



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<b>College:</b>	Clackamas Community College	<b>Date</b>	
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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 <a href="http://www.ode.state.or.us/search/results/?id=232">http://www.ode.state.or.us/search/results/?id=232</a>)</small>	<u>APPROVED</u> CIP Code <small>(Include 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<u>APPROVED</u> Recognition Award	Current Credits
	<u>6-digit CIP</u>	<u>7<sup>th</sup> digit</u>	<u>8<sup>th</sup> digit</u>		
<b>AAS Title:</b> Horticulture AAS.HORT1	1.0601			<input checked="" type="checkbox"/> AAS (90-108 credits)	94-98
<b>Option Title**</b>				<input type="checkbox"/> <i>OPTION</i> to AAS Degree	
<b>Related Certificates:</b> Horticulture Certificate Irrigation Technician CP Plant Health Management CP				<input type="checkbox"/> Certificate of Completion	

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

LAST AMENDMENT APPROVED ON 01/24/20

### TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

<input type="checkbox"/> New Program++	<input checked="" type="checkbox"/> Curriculum Revision	<input checked="" type="checkbox"/> Revision in Program Credits
<input type="checkbox"/> Title Change for Program		<i>Proposed Total Credits:</i> 95-101
<i>Proposed AAS Title:</i>		
<i>Proposed OPTION Title:</i>		
<i>Proposed Certificate Title:</i>		
<input type="checkbox"/> <b>SUSPENSION</b> 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.]


<b>CURRENT CURRICULUM 20-21</b> [List entire curriculum as last approved]				<b>PROPOSED CURRICULUM 21-22</b> [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
OSU Transfer Courses							
HOR-112	Horticulture Career Exploration	24	2				
HOR-215	Herbaceous Perennials	44	3				
HOR-226	Plant Identification/Fall	44	4				
HOR-228	Plant Identification/Spring	44	4				
HOR-246	Organic Farming and Gardening	44	2				
Note: Many of the horticulture courses will also transfer as Lower Division Collegiate (LDC) credits.							
Horticulture Associate of Applied Science Degree: 1 <sup>st</sup> Year							
Fall Term1							
HOR-111	Horticulture Practicum/Fall	44	2				
<b>HOR-115</b>	<b>Horticulture Safety</b>	<b>10</b>	<b>1</b>				
HOR-223	Applied Plant Science	44	4				
HOR-226	Plant Identification/Fall	44	4				
<b>MTH-050 or MTH-065 or higher level math</b>	<b>Technical Mathematics I or Algebra II or higher level math</b>	<b>44</b>	<b>4-5</b>				
Winter Term2							
HOR-130 Or HOR-131	Plant Propagation Theory or Tree & Shrub Pruning	33-44	3	Move to Focus Area			
HOR-133	Horticulture Practicum/Winter	44	2				
HOR-216	Integrated Pest Management	33	3				
HOR-222	Horticultural Computer Applications	20	2				
HOR-227	Plant Identification/Winter	44	4				
				FYE-101	First Year Experience Level I	22	2
				HOR-230	Equipment Operation & Maintenance	44	2
Spring Term3							
HOR-112	Horticulture Career Exploration	24	2				
HOR-120	Pesticide Laws & Safety	12	1				
HOR-140	Soils	33	3				
HOR-143	Horticulture Practicum/Spring	44	2				
HOR-228	Plant Identification/Spring	44	4				
<b>WR-101 Or</b>	<b>Communication Skills: Occupational Writing</b>	<b>33-44</b>	<b>3-4</b>				

<b>WR-121</b>	<b>or</b> <b>English Composition</b>						
Summer Term4							
HOR-281 Or HOR-280 and HOR-282	Horticulture/CWE or Horticulture/CWE and Horticulture/CWE	180	6				
Horticulture Associate of Applied Science Degree: 2 <sup>nd</sup> Year							
Fall Term5							
<b>BA-285</b> <b>Or</b> <b>COMM-100</b>	<b>Human Relations in Business</b> <b>or</b> <b>Basic Speech Communication</b>	<b>33-44</b>	<b>3-4</b>				
HOR-122 Or HOR-224	Greenhouse I or Landscape Installation	44	3	Move to Focus Area			
HOR-235 Or HOR-236	Weed Identification or Insect Identification	20	2				
SPN-101	First-Year Spanish I	44	4				
--	Horticulture program electives		3				
				--	HORTICULTURE PROGRAM PRODUCTION AND MANAGEMENT FOCUS AREA		2-3
Winter Term6							
BA-101	Introduction to Business	44	4				
BA-119	Project Management Practices	22	2				
HOR-230	Equipment Operation & Maintenance	44	2	Move to Winter Term2			
HOR-231	Irrigation Design	44	3				
HOR-237	Disease Identification	20	2				
--	Horticulture program electives		3				
				--	HORTICULTURE PROGRAM PRODUCTION AND MANAGEMENT FOCUS AREA		3
Spring Term7							
HOR-142 Or HOR-145	Greenhouse II or Turf Installation & Maintenance	44	2-3	REMOVE			
HOR-240	Irrigation Practices	44	3				
--	Horticulture program electives		8				
				--	HORTICULTURE PROGRAM PRODUCTION AND MANAGEMENT FOCUS AREA		2-4

Horticulture Program Production and Management Focus Area				
				Courses are listed in FA, WI, SP order
				Arboriculture:
				HOR-262 Treework Practicum I 66 2
				HOR-131 Tree & Shrub Pruning 44 3
				HOR-261 Tree Diagnostics 44 2
				Greenhouse/Nursery:
				HOR-130 Plant Propagation Theory 33 3
				HOR-122 Greenhouse I 44 3
				HOR-142 Greenhouse II 44 3
				Landscape:
				HOR-224 Landscape Installation 44 3
				HOR-131 Tree & Shrub Pruning 44 3
				HOR-123 Landscape Maintenance 44 3
				Organic Farming:
				HOR-113 Organic Farming Practicum/Fall 55 3
				HOR-136 Organic Farming Practicum/Winter 55 3
				HOR-141 Organic Farming Practicum/Spring 88 4
Horticulture Program Electives				
BA-223	Principles of Marketing	44	4	Remove
HOR-113	Organic Farming Practicum/Fall	55	3	
HOR-122 Or HOR-224	Greenhouse I or Landscape Installation	44	3	
HOR-123	Landscape Maintenance	44	3	
HOR-124	Food Harvest	44	3	
HOR-125*	Food Production in the Willamette Valley	33	3	
HOR-126*	Landscape Water Features	20	1	
HOR-127*	Landscape Lighting	20	1	
HOR-128*	Landscape Stones & Pavers	20	1	
HOR-129*	Landscape Decks & Fences	20	1	
HOR-130 Or HOR-131	Plant Propagation Theory or Tree & Shrub Pruning	33-44	3	
HOR-135	Propagation of Edible Plants	44	3	
HOR-136	Organic Farming Practicum/Winter	55	3	
HOR-141	Organic Farming Practicum/Spring	88	4	
HOR-142 Or HOR-145	Greenhouse II or Turf Installation & Maintenance	44	2-3	
HOR-146	Fruit & Berry Growing	44	3	
HOR-148	Farm Equipment	44	3	





				HOR-290	Special Topics in Horticulture	66	3
				<b>Spring term:</b>			
				HOR-126*	Landscape Water Features	20	1
				HOR-127*	Landscape Lighting	20	1
				HOR-128*	Landscape Stones & Pavers	20	1
				HOR-129*	Landscape Decks & Fences	20	1
				HOR-135	Propagation of Edible Plants	44	3
				HOR-215	Herbaceous Perennials	44	3
				HOR-234*	Intermediate Landscape Design	44	3
				HOR-244*	Environmental Landscape Design	44	3
				HOR-246	Organic Farming and Gardening	44	2
				HOR-250	Herb Growing and Gardening	20	1
				<b>Multiple terms:</b>			
				BA-223	Principles of Marketing	44	4
				HOR-281 Or HOR-280 And HOR-282	Horticulture/CWE or Horticulture/CWE And Horticulture/CWE	180	6
				WET-109	Backflow Assembly Operation and Testing	66	4
				*Offered Alternate Years			
<b>TOTAL CURRENT CREDITS:</b>			94-98	<b>TOTAL PROPOSED CREDITS:</b>			95-101
<b>College Contact</b>	April Chastain			<b>Telephone No.</b>	503-777-5440 cell		
<b>Chief Academic Officer or PTE Dean Signature</b>				<b>Date</b>	1/4/21		



## COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

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

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<b>College:</b>	Clackamas Community College	<b>Date</b>	12/16/20
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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 <a href="http://www.ode.state.or.us/search/results/?id=232">http://www.ode.state.or.us/search/results/?id=232</a>)</small>	<u>APPROVED</u> CIP Code <small>(Include 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<u>APPROVED</u> Recognition Award	Current Credits
	6-digit CIP	7 <sup>th</sup> digit	8 <sup>th</sup> digit		
<b>AAS Title:</b> Horticulture AAS				<input type="checkbox"/> Associate of Applied Science (AAS) Degree	
<b>Option Title**</b>				<input type="checkbox"/> <i>OPTION</i> to AAS Degree	
<b>Certificate Title:</b> <i>Within</i> AAS Degree? <input checked="" type="checkbox"/> Yes** <input type="checkbox"/> No Horticulture CC.HORT	1.0601			<input checked="" type="checkbox"/> CC1R Related Certificate (45-60 credits)	51-55

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

LAST AMENDMENT APPROVED ON 01/19/18

### TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)


<input type="checkbox"/> New Program++	<input checked="" type="checkbox"/> Curriculum Revision	<input checked="" type="checkbox"/> Revision in Program Credits
<input type="checkbox"/> Title Change for Program		<i>Proposed</i> Total Credits: 49-52
<b><i>Proposed</i> AAS Title:</b>		
<b><i>Proposed</i> OPTION Title:</b>		
<b><i>Proposed</i> Certificate Title:</b>		
<input type="checkbox"/> <b>SUSPENSION</b> of Program	<i>Reason for Suspension:</i>	
<b>Suspension Effective Date:</b>		

## 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.]

<b>CURRENT CURRICULUM 20-21</b> [List entire curriculum as last approved]				<b>PROPOSED CURRICULUM 21-22</b> [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Fall Term							
HOR-111	Horticulture Practicum/Fall	44	2				
HOR-115	Horticulture Safety	10	1				
HOR-122 Or HOR-224	Greenhouse I or Landscape Installation	44	3	Remove			
HOR-226	Plant Identification/Fall	44	4				
<b>MTH-050 Or MTH-065 or higher level math</b>	<b>Technical Mathematics I or Algebra II (or higher level math)</b>	<b>44</b>	<b>4-5</b>				
				HOR-223	Applied Plant Science	44	4
Winter Term							
HOR-130 Or HOR-131	Plant Propagation Theory or Tree & Shrub Pruning	33-44	3	Remove			
HOR-133	Horticulture Practicum/Winter	44	2				
HOR-216	Integrated Pest Management	33	3				
HOR-222	Horticultural Computer Applications	20	2				
HOR-227	Plant Identification/Winter	44	4				
				HOR-230	Equipment Operation & Maintenance	44	2
Spring Term							
<b>BA-285 Or COMM-100</b>	<b>Human Relations in Business or Basic Speech Communication</b>	<b>33- 44</b>	<b>3-4</b>				
HOR-112	Horticulture Career Exploration	24	2				
HOR-120	Pesticide Laws & Safety	12	1				
HOR-140	Soils	33	3				
HOR-142 Or HOR-145	Greenhouse II or Turf Installation & Maintenance	44	2-3	Remove			
HOR-143	Horticulture Practicum/Spring	44	2				
HOR-228	Plant Identification/Spring	44	4				
Summer Term							

HOR-280	Horticulture/CWE	90	3				
<b>WR-101 Or WR-121</b>	<b>Communication Skills: Occupational Writing or English Composition</b>	<b>33- 44</b>	<b>3-4</b>				
<b>TOTAL CURRENT CREDITS:</b>			51-55	<b>TOTAL PROPOSED CREDITS:</b>			49-52

<b>College Contact</b>	April Chastain	<b>Telephone No.</b>	503-777-5440 cell
<b>E-Mail Address</b>	April.chastain@clackamas.edu	<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>		<b>Date</b>	<b>1/4/21</b>



## COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

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

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<b>College:</b>	Clackamas Community College	<b>Date</b>	12/21/20
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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	<u>APPROVED</u> CIP Code (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)			<u>APPROVED</u> Recognition Award	Current Credits
(For Official Program Title, refer to your directory at <a href="http://www.ode.state.or.us/search/results/?id=232">http://www.ode.state.or.us/search/results/?id=232</a> )	6-digit CIP	7 <sup>th</sup> digit	8 <sup>th</sup> digit		
	<b>AAS Title:</b> <b>Landscape Management</b> AAS.LANDSCAPEMGMT	<b>1.0605</b>			<input checked="" type="checkbox"/> <b>AAS</b> <b>(90-108 credits)</b>
<b>Option Title**</b> <b>Arboriculture</b>				<input type="checkbox"/> <b>OPTION to AAS</b> <b>Degree</b>	
<b>Related Certificates:</b> <b>Landscape Practices Certificate</b>				<input type="checkbox"/> <b>Certificate of</b> <b>Completion</b>	

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

LAST AMENDMENT APPROVED ON 1/18/2019

### TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

<input type="checkbox"/> New Program++	<input checked="" type="checkbox"/> Curriculum Revision	<input checked="" type="checkbox"/> Revision in Program Credits
<input type="checkbox"/> Title Change for Program		<b>Proposed Total Credits: 95-98</b>
<b>Proposed AAS Title:</b>		
<b>Proposed OPTION Title:</b>		
<b>Proposed Certificate Title:</b>		
<input type="checkbox"/> <b>SUSPENSION of Program</b>	<i>Reason for Suspension:</i>	
<b>Suspension Effective Date:</b>		

++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.]

<b>CURRENT CURRICULUM 20-21</b> [List entire curriculum as last approved]				<b>PROPOSED CURRICULUM 21-22</b> [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Landscape Management Associate of Applied Science Degree: 1 <sup>st</sup> Year							
Fall Term1							
HOR-111	Horticulture Practicum/Fall	44	2				
<b>HOR-115</b>	<b>Horticulture Safety</b>	<b>10</b>	<b>1</b>				
HOR-223	Applied Plant Science	44	4				
HOR-226	Plant Identification/Fall	44	4				
<b>MTH-050 Or MTH-065 or higher level math</b>	<b>Technical Mathematics I or Algebra II or higher level math</b>	<b>44</b>	<b>4-5</b>				
Winter Term2							
HOR-131	Tree & Shrub Pruning	44	3				
HOR-133	Horticulture Practicum/Winter	44	2				
HOR-216	Integrated Pest Management	33	3				
HOR-222	Horticultural Computer Applications	20	2				
HOR-227	Plant Identification/Winter	44	4				
HOR-229 Or HOR-244*	Introduction to Landscape Design or Environmental Landscape Design	44	3	229 Move to Winter Term6 244 to Electives			
				FYE-101	First Year Experience Level I	22	2
Spring Term3							
<b>BA-285 Or COMM-100</b>	<b>Human Relations in Business or Basic Speech Communication</b>	<b>33-44</b>	<b>3-4</b>				
HOR-112	Horticulture Career Exploration	24	2	Remove			
HOR-120	Pesticide Laws & Safety	12	1				
HOR-140	Soils	33	3				
HOR-143	Horticulture Practicum/Spring	44	2				
HOR-228	Plant Identification/Spring	44	4				
				HOR-215	Herbaceous Perennials	44	3
Summer Term4							
HOR-281 Or HOR-280 And HOR-282	Horticulture/CWE OR Horticulture/CWE And Horticulture/CWE	180	6				


Landscape Management Associate of Applied Science Degree: 2<sup>nd</sup> Year

Fall Term5							
HOR-123	Landscape Maintenance	44	3	Move to Spring Term7			
HOR-224	Landscape Installation	44	3				
HOR-235 Or HOR-236	Weed Identification Or Insect Identification	20	2				
SPN-101	First-Year Spanish I	44	4				
--	Landscape Management program electives		3	Move to Term 6			
				<b>WR-101 Or WR-121</b>	<b>Communication Skills: Occupational Writing or English Composition</b>	<b>33-44</b>	<b>3-4</b>
Winter Term6							
BA-119	Project Management Practices	22	2				
HOR-230	Equipment Operation & Maintenance	44	2				
HOR-231	Irrigation Design	44	3				
HOR-237	Disease Identification	20	2				
<b>WR-101 Or WR-121 Or BA-214</b>	<b>Communication Skills: Occupational Writing or English Composition or Business Communications</b>	<b>33-44</b>	<b>3-4</b>	Move to Fall Term5 (remove BA-214)			
				HOR-229	Introduction to Landscape Design	44	3
				--	Landscape program electives		3
Spring Term7							
BA-101	Introduction to Business	44	4				
Choose two from the following (2 credits):							
HOR-126*	Landscape Water Features	20	1				
HOR-127*	Landscape Lighting	20	1				
HOR-128*	Landscape Stones & Pavers	20	1				
HOR-129*	Landscape Decks & Fences	20	1				
HOR-145	Turf Installation & Maintenance	44	2	Remove			
HOR-215	Herbaceous Perennials	44	3	Move to Spring Term3			
HOR-240	Irrigation Practices	44	3				
				HOR-123	Landscape Maintenance	44	3
				--	Landscape program electives		3
Landscape Management Program Electives							
BA-223	Principles of Marketing	44	4	Remove			
HOR-126* Or HOR-127*	Landscape Water Features or Landscape Lighting	20	1				



Or HOR-128* Or HOR-129*	or Landscape Stones & Pavers or Landscape Decks & Fences						
HOR-146	Fruit & Berry Growing	44	3				
HOR-211	Native Plant Identification	10	1				
HOR-212	Flower Arranger's Garden/Fall	44	2				
HOR-213*	Computer-Aided Landscape Design	44	3				
HOR-220	Plant Propagation/Fall	44	3				
HOR-225	Arboriculture I	33	3				
HOR-229 Or HOR-244*	Introduction to Landscape Design or Environmental Landscape Design	44	3				
HOR-239	Tree Climber Training	24	1				
HOR-246	Organic Farming and Gardening	44	2				
HOR-260	Arboriculture II	33	3				
HOR-261	Tree Diagnostics	44	2				
HOR-290	Special Topics in Horticulture	66	3				
WET-109	Backflow Assembly Operation and Testing	66	4				
				<b>Summer term:</b>			
				HOR-146	Fruit & Berry Growing	44	3
				HOR-211	Native Plant Identification	10	1
				<b>Fall term:</b>			
				HOR-212*	Flower Arranger's Garden/Fall	44	2
				HOR-225	Arboriculture I	33	3
				<b>Winter term:</b>			
				CDT-103	Computer-Aided Drafting I	66	3
				HOR-239	Tree Climber Training	24	1
				HOR-260	Arboriculture II	33	3
				HOR-290	Special Topics in Horticulture	66	3
				<b>Spring term:</b>			
				HOR-126*	Landscape Water Features	20	1
				HOR-127*	Landscape Lighting	20	1
				HOR-128*	Landscape Stones & Pavers	20	1
				HOR-129*	Landscape Decks & Fences	20	1
				HOR-234*	Intermediate Landscape Design	44	3

				HOR-244*	Environmental Landscape Design	44	3
				HOR-246	Organic Farming and Gardening	44	2
				HOR-261	Tree Diagnostics	44	2
				<b>Multiple terms:</b>			
				BA-223	Principles of Marketing	44	4
				WET-109	Backflow Assembly Operation and Testing	66	4
*Offered alternate years							
<b>TOTAL CURRENT CREDITS:</b>				94-97	<b>TOTAL PROPOSED CREDITS:</b>	95-98	

<b>College Contact</b>	April Chastain	<b>Telephone No.</b>	503-777-5440 cell	
<b>E-Mail Address</b>	April.chastain@clackamas.edu	<b>Fax No.</b>		
<b>Chief Academic Officer or PTE Dean Signature</b>			<b>Date</b>	1/4/21



## COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

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

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<b>College:</b>	Clackamas Community College	<b>Date</b>	12/21/20
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### CAREER LEARNING AREA

<input checked="" 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	<u>APPROVED</u> CIP Code (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)			<u>APPROVED</u> Recognition Award	Current Credits
(For Official Program Title, refer to your directory at <a href="http://www.ode.state.or.us/search/results/?id=232">http://www.ode.state.or.us/search/results/?id=232</a> )	6-digit CIP	7 <sup>th</sup> digit	8 <sup>th</sup> digit		
Parent AAS Title: Landscape Management AAS				<input type="checkbox"/> AAS	
Option Title** Arboriculture AAS.LANDMGMTARBOR	01.0605	I	*	<input checked="" type="checkbox"/> <b>OPTION to AAS</b> (at least 70% of base AAS, 90-108 credits)	94-97
Certificate Title: <u>Within</u> AAS Degree? <input type="checkbox"/> Yes** <input type="checkbox"/> No				<input type="checkbox"/> Certificate of Completion	

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

LAST AMENDMENT APPROVED ON 1/18/2019

### TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

<input type="checkbox"/> New Program++	<input checked="" type="checkbox"/> Curriculum Revision	<input checked="" type="checkbox"/> Revision in Program Credits
<input type="checkbox"/> Title Change for Program		<b>Proposed Total Credits: 96-99</b>
<b>Proposed AAS Title:</b>		
<b>Proposed OPTION Title:</b>		
<b>Proposed Certificate Title:</b>		
<input type="checkbox"/> <b>SUSPENSION</b> of Program	Reason for Suspension:	
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.]

<b>CURRENT CURRICULUM 20-21</b> [List entire curriculum as last approved]				<b>PROPOSED CURRICULUM 21-22</b> [List only course(s) to be amended]			
Course	Course Title	Hours	Credits	Course	Course Title	Hours	Credits
1 <sup>st</sup> Year							
Fall Term1							
<b>HE-252**</b>	<b>First Aid/CPR/AED</b>	<b>33</b>	<b>3</b>				
HOR-115	Horticulture Safety	10	1				
HOR-223	Applied Plant Science	44	4				
HOR-226	Plant Identification/Fall	44	4				
HOR-236	Insect Identification	20	2				
				<b>FYE-101</b>	<b>First Year Experience Level I</b>	<b>22</b>	<b>2</b>
Winter Term2							
HOR-131	Tree & Shrub Pruning	44	3				
HOR-216	Integrated Pest Management	33	3				
HOR-222	Horticultural Computer Applications	20	2				
HOR-227	Plant Identification/Winter	44	4				
HOR-230	Equipment Operation & Maintenance	44	2				
HOR-239	Tree Climber Training	24	1				
Spring Term3							
<b>BA-285 or COMM-100</b>	<b>Human Relations in Business or Basic Speech Communication</b>	<b>33-44</b>	<b>3-4</b>				
HOR-120	Pesticide Laws & Safety	12	1				
HOR-140	Soils	33	3				
HOR-228	Plant Identification/Spring	44	4				
<b>WR-121 or BA-214</b>	<b>English Composition or Business Communications</b>	<b>33-44</b>	<b>3-4</b>	<b>WR-101 or WR-121</b>	<b>Communication Skills: Occupational Writing or English Composition</b>	<b>33-44</b>	<b>3-4</b>
Summer Term4							
HOR-211	Native Plant Identification	10	1				
HOR-280	Horticulture/CWE	90	3				
2 <sup>nd</sup> Year							
Fall Term5							
HOR-123	Landscape Maintenance	44	3	Move to Spring Term7			
HOR-225	Arboriculture I	33	3				
HOR-262	Treework Practicum I	66	2				
<b>MTH-050 or MTH-065 or higher</b>	<b>Technical Mathematics I or Algebra II or higher level of math</b>	<b>44</b>	<b>4-5</b>				

--	Arboriculture program electives		3				
<b>Winter Term6</b>							
BA-119	Project Management Practices	22	2				
HOR-229 or HOR-244*	Introduction to Landscape Design or Environmental Landscape Design	44	3	Remove HOR-244			
HOR-237	Disease Identification	20	2				
HOR-260	Arboriculture II	33	3				
--	Arboriculture program electives		3				
<b>Spring Term7</b>							
HOR-215	Herbaceous Perennials	44	3				
HOR-261	Tree Diagnostics	44	2				
HOR-263	Plant Health Care Practicum	66	2				
HOR-282	Horticulture/CWE	90	3				
--	Arboriculture program electives		3				
				HOR-123	Landscape Maintenance	44	3
<b>Summer Term8</b>							
HOR-281	Horticulture/CWE	180	6				
<b>Arboriculture Program Electives</b>							
BA-101	Introduction to Business	44	4	Remove			
HOR-145	Turf Installation & Maintenance	44	2				
HOR-146	Fruit & Berry Growing	44	3				
HOR-213*	Computer-Aided Landscape Design	44	3				
HOR-224	Landscape Installation	44	3				
HOR-229 Or HOR-244	Introduction to Landscape Design or Environmental Landscape Design	44	3				
HOR-231	Irrigation Design	44	3				
HOR-235	Weed Identification	20	2				
HOR-240	Irrigation Practices	44	3				
HOR-264	Treework Practicum II (Aerial)	66	2				
SPN-101	First-Year Spanish I	44	4				
				<b>Summer term:</b>			
				HOR-146	Fruit & Berry Growing	44	3
				<b>Fall term:</b>			
				HOR-224	Landscape Installation	44	3
				HOR-235	Weed Identification	20	2
				HOR-264	Treework Practicum II (Aerial)	66	2
				<b>Winter term:</b>			

				HOR-231	Irrigation Design	44	3
				HOR-290	Special Topics in Horticulture	66	3
				<b>Spring term:</b>			
				HOR-240	Irrigation Practices	44	3
				HOR-244*	Environmental Landscape Design	44	3
				<b>Multiple terms:</b>			
				BA-101	Introduction to Business	44	4
				SPN-101	First-Year Spanish I	44	4
<b>Catalog Notes</b>							
*Currently offered alternate years.							
**Course may be waived with current CPR certification							
<b>TOTAL CURRENT CREDITS:</b>				94-97	<b>TOTAL PROPOSED CREDITS:</b>		96-99

<b>College Contact</b>	April Chastain	<b>Telephone No.</b>	503-777-5440 cell
<b>E-Mail Address</b>	<a href="mailto:april.chastain@clackamas.edu">april.chastain@clackamas.edu</a>	<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>			<b>Date</b> 1/4/21



## COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

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

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<b>College:</b>	Clackamas Community College	<b>Date</b>	12/16/20
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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 <a href="http://www.ode.state.or.us/search/results/?id=232">http://www.ode.state.or.us/search/results/?id=232</a>)</small>	<u>APPROVED</u> CIP Code <small>(Include 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<u>APPROVED</u> Recognition Award	Current Credits
	<u>6-digit CIP</u>	<u>7<sup>th</sup> digit</u>	<u>8<sup>th</sup> digit</u>		
<b>AAS Title:</b> Landscape Management AAS				<input type="checkbox"/> Associate of Applied Science (AAS) Degree	
<b>Option Title**</b>				<input type="checkbox"/> <b>OPTION</b> to AAS Degree	
<b>Certificate Title:</b> <i>Within</i> AAS Degree? <input checked="" type="checkbox"/> Yes** <input type="checkbox"/> No Landscape Practices CC.LANDSCAPEPRAC	1.0605			<input checked="" type="checkbox"/> CCOR Related Certificate (31-44 credits)	44

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

### TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)


<input type="checkbox"/> New Program++	<input checked="" type="checkbox"/> Curriculum Revision	<input checked="" type="checkbox"/> Revision in Program Credits
<input type="checkbox"/> Title Change for Program		<i>Proposed</i> Total Credits: 42
<i>Proposed</i> AAS Title:		
<i>Proposed</i> OPTION Title:		
<i>Proposed</i> Certificate Title:		
<input type="checkbox"/> <b>SUSPENSION</b> 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.]

<b>CURRENT CURRICULUM 20-21</b> [List entire curriculum as last approved]				<b>PROPOSED CURRICULUM 21-22</b> [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Fall Term							
HOR-115	Horticulture Safety	10	1				
HOR-123	Landscape Maintenance	44	3	Move to Spring			
HOR-224	Landscape Installation	44	3				
HOR-226	Plant Identification/Fall	44	4				
HOR-235	Weed Identification	20	2				
HOR-236	Insect Identification	20	2				
Winter Term							
HOR-131	Tree & Shrub Pruning	44	3				
HOR-216	Integrated Pest Management	33	3				
HOR-229 Or HOR-244*	Introduction to Landscape Design Or Environmental Landscape Design	44	3	Remove HOR-244			
HOR-230	Equipment Operation & Maintenance	44	2				
HOR-237	Disease Identification	20	2				
Spring Term							
HOR-120	Pesticide Laws & Safety	12	1				
HOR-140	Soils	33	3				
HOR-145	Turf Installation & Maintenance	44	2	Remove			
HOR-228	Plant Identification/Spring	44	4				
HOR-240	Irrigation Practices	44	3				
				HOR-123	Landscape Maintenance	44	3
Summer Term							
HOR-280	Horticulture/CWE	90	3				
Catalog Notes							
*Offered alternate years				REMOVE			
<b>TOTAL CURRENT CREDITS:</b>			44	<b>TOTAL PROPOSED CREDITS:</b>			42

<b>College Contact</b>	April Chastain	<b>Telephone No.</b>	503-777-5440 (cell)
<b>E-Mail Address</b>	april.chastain@clackamas.edu	<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>		<b>Date</b>	1/4/21





## COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

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

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

<b>College:</b>	Clackamas Community College	<b>Date</b>	
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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 <a href="http://www.ode.state.or.us/search/results/?id=232">http://www.ode.state.or.us/search/results/?id=232</a>)</small>	<u>APPROVED</u> CIP Code <small>(Include 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<u>APPROVED</u> Recognition Award	Current Credits
	<u>6-digit CIP</u>	<u>7<sup>th</sup> digit</u>	<u>8<sup>th</sup> digit</u>		
<b>AAS Title:</b>				<input type="checkbox"/> Associate of Applied Science (AAS) Degree	
<b>Related Certificates:</b> Gerontology for Health Care Professionals CP Nursing Assistant-Gerontology Specialist CP				<input type="checkbox"/> <i>OPTION</i> to AAS Degree	
<b>Certificate Title:</b> <i>Within</i> AAS Degree? <input type="checkbox"/> Yes** <input checked="" type="checkbox"/> No <b>Gerontology</b> CC.GERONTOLOGY	<b>30.1101</b>			<input checked="" type="checkbox"/> CC1 (45-60 credits)	<b>46-47</b>

LAST AMENDMENT APPROVED 1/24/20

### TYPE OF PROGRAM AMENDMENT

(Check **ALL** That Apply)


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

## 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><b>CURRENT CURRICULUM 20-21</b></i>				<i><b>PROPOSED CURRICULUM 21-22</b></i>			
<small>[List entire curriculum as last approved]</small>				<small>[List only course(s) to be amended]</small>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Fall Term							
GRN-179	Careers in Gerontology	11	1				
GRN-181	Issues in Aging	33	3				
HE-163	Body & Drugs I: Introduction to Abuse & Addiction	33	3				
<b>WR-101 Or WR-121</b>	<b>Communication Skills: Occupational Writing or English Composition</b>	<b>33- 44</b>	<b>3-4</b>				
--	Gerontology program elective		5				
Winter Term							
GRN-182	Aging and the Body	33	3				
GRN-184	Aging & the Individual	33	3				
HE-164 Or HE-263 Or HE-264	Body & Drugs II: Alcohol or Body & Drugs III: Marijuana or Body & Drugs IV: Other Drugs, Other Addictions	33	3				
HS-154	Community Resources	33	3				
<b>MTH-050 Or MTH-065 Or MTH-098</b>	<b>Technical Mathematics I or Algebra II or College Math Foundations</b>	<b>44</b>	<b>4</b>				
Spring Term							
GRN-183	Death and Dying	33	3				
GRN-280	Gerontology/CWE	108	3				
<b>HS-156</b>	<b>Conducting Human Service Interviews</b>	<b>33</b>	<b>3</b>				
HS-170	Preparation for Field Experience in Human Services	33	3				
--	Gerontology program elective		3				
Gerontology Program Electives							
COMM-140	Introduction to Intercultural Communication	44	4				
CS-120	Survey of Computing	55	4				
ED-258	Multicultural Education	33	3				
FN-110	Personal Nutrition	33	3				

GRN-165	Life Enrichment with Older Adults	33	3				
GRN-290	Special Topics in Gerontology	11-33	1-3				
HE-164	Body & Drugs II: Alcohol	33	3				
HS-100	Introduction to Human Services	33	3				
HS-103	Ethics for Human Service Workers	22	2				
HS-211	Infectious Diseases and Harm Reduction	11	1				
HS-216	Group Counseling Skills	33	3				
HS-232	Case Management	33	3				
HS-256	Advanced Interviewing Skills with Theory	33	3				
NUR-100	Nursing Assistant I	80	7				
NUR-100C	Nursing Assistant I Clinical	82	0				
NUR-101	Certified Nursing Assistant II	88	5				
NUR-101C	Certified Nursing Assistant II Acute Care Clinical	30	0				
PSY-219	Introduction to Abnormal Psychology	44	4				
				FYE-101	First Year Experience Level I	22	2
Catalog Notes							
Other electives may be approved by the Gerontology program advisor.							
<b>TOTAL CURRENT CREDITS:</b>			46-47	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Yvonne Smith	<b>Telephone No.</b>	3207
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>			<b>Date</b> 12/17/20



## COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

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<b>College:</b>	Clackamas Community College	<b>Date</b>	
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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 <a href="http://www.ode.state.or.us/search/results/?id=232">http://www.ode.state.or.us/search/results/?id=232</a>)</small>	<u>APPROVED</u> CIP Code <small>(Include 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<u>APPROVED</u> Recognition Award	Current Credits
	<u>6-digit CIP</u>	<u>7<sup>th</sup> digit</u>	<u>8<sup>th</sup> digit</u>		
<b>AAS Title:</b> Gerontology Certificate				<input type="checkbox"/> Associate of Applied Science (AAS) Degree	
<b>Option Title**</b>				<input type="checkbox"/> OPTION to AAS Degree	
<b>Certificate Title:</b> <u>Within</u> AAS Degree? <input checked="" type="checkbox"/> Yes** <input type="checkbox"/> No Gerontology for Health Care Professionals – Career Pathway CC.GERHLCAREPRO	<b>30.1101</b>			<input checked="" type="checkbox"/> Career Pathway (12-44)	<b>15</b>

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

### TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)


<input type="checkbox"/> <b>New Program++</b>	<input type="checkbox"/> <b>Curriculum Revision</b>	<input type="checkbox"/> <b>Revision in Program Credits</b>
<input type="checkbox"/> <b>Title Change for Program</b>		<i>Proposed Total Credits:</i> <b>15-16</b>
<i>Proposed AAS Title:</i>		
<i>Proposed OPTION Title:</i>		
<i>Proposed Certificate Title:</i>		
<input type="checkbox"/> <b>SUSPENSION of Program</b>	<i>Reason for Suspension:</i>	
<b>Suspension Effective Date:</b>		

**++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.]

<b><i>CURRENT CURRICULUM 20-21</i></b> <small>[List entire curriculum as last approved]</small>				<b><i>PROPOSED CURRICULUM 21-22</i></b> <small>[List only course(s) to be amended]</small>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
GRN-181	Issues in Aging	33	3				
GRN-182	Aging and the Body	33	3				
GRN-183	Death and Dying	33	3				
GRN-184	Aging & the Individual	33	3				
--	Gerontology for Health Care Professionals program electives		3	--	Gerontology for Health Care Professionals program electives		3-4
Gerontology for Health Care Professionals Program Electives							
GRN-165	Life Enrichment with Older Adults	33	3				
GRN-290	Special Topics in Gerontology	33	3				
HE-163	Body & Drugs I: Introduction to Abuse & Addiction	33	3				
HS-154	Community Resources	33	3				
HS-156	Conducting Human Service Interviews	33	3				
				FYE-101	First Year Experience Level I	22	2
				GRN-179	Careers in Gerontology	11	1
<b>TOTAL CURRENT CREDITS:</b>			15	<b>TOTAL PROPOSED CREDITS:</b>			15-16

<b>College Contact</b>	Yvonne Smith	<b>Telephone No.</b>	3207
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>		<b>Date</b>	12/7/20



## COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

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

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<b>College:</b>	Clackamas Community College	<b>Date</b>	
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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 <a href="http://www.ode.state.or.us/search/results/?id=232">http://www.ode.state.or.us/search/results/?id=232</a>)</small>	<u>APPROVED</u> CIP Code <small>(Include 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<u>APPROVED</u> Recognition Award	Current Credits
	<u>6-digit CIP</u>	<u>7<sup>th</sup> digit</u>	<u>8<sup>th</sup> digit</u>		
<b>AAS Title:</b> <b>Human Services Generalist</b> AAS.HUMANSERVGEN	<b>44.0701</b>			<input checked="" type="checkbox"/> <b>AAS</b> <b>(90-108 credits)</b>	<b>90-92</b>
<b>Option Title**</b>				<input type="checkbox"/> <b>OPTION to AAS</b> <b>Degree</b>	
<b>Related Certificates:</b> Alcohol & Drug Counselor CP Human Services Generalist Certificate				<input type="checkbox"/> <b>Certificate of</b> <b>Completion</b>	

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

LAST AMENDMENT APPROVED ON 12.07.18

### TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

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

++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><b>CURRENT CURRICULUM 20-21</b></i> [List entire curriculum as last approved]				<i><b>PROPOSED CURRICULUM 21-22</b></i> [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Human Services Generalist Associate of Applied Science Degree: 1 <sup>st</sup> Year							
Fall Term							
HDF-260	Understanding Child Abuse and Neglect	44	4				
<b>HE-163</b>	<b>Body &amp; Drugs I: Introduction to Abuse &amp; Addiction</b>	<b>33</b>	<b>3</b>				
HS-100	Introduction to Human Services	33	3				
<b>WR-101 or WR-121</b>	<b>Communication Skills: Occupational Writing or English Composition</b>	<b>33-44</b>	<b>3-4</b>				
--	Human Services Generalist program electives		3				
Winter Term							
HE-164 or HE-263 or HE-264	Body & Drugs II: Alcohol or Body & Drugs III: Marijuana or Body & Drugs IV: Other Drugs, Other Addictions	33	3				
HS-103	Ethics for Human Service Workers	22	2				
HS-154	Community Resources	33	3				
<b>MTH-050 Or MTH-065 Or MTH-098</b>	<b>Technical Mathematics I or Algebra II or College Math Foundations</b>	<b>44</b>	<b>4</b>				
--	Human Services Generalist program electives		3				
Spring Term							
HDF-140 Or SOC-210	Contemporary American Families or Marriage, Family, & Intimate Relations	33-44	3-4				
<b>HS-156</b>	<b>Conducting Human Service Interviews</b>	<b>33</b>	<b>3</b>				
HS-170	Preparation for Field Experience in Human Services	33	3				
--	Human Services Generalist program electives		6				
Human Services Generalist Associate of Applied Science Degree: 2 <sup>nd</sup> Year							

Fall Term							
CJA-214 Or CJA-215	Intimate Partner Violence Or Sexual Abuse and Human Trafficking	33	3				
HS-256	Advanced Interviewing Skills with Theory	33	3				
HS-280	Human Services Generalist I: CWE/Practicum	144	4				
--	Human Services Generalist program electives		4				
Winter Term							
HS-281	Human Services Generalist II: CWE/Practicum	144	4				
PSY-215	Introduction to Developmental Psychology	44	4				
SOC-205	Social Stratification & Social Systems	44	4				
--	Human Services Generalist program electives		3				
Spring Term							
HS-216	Group Counseling Skills	33	3				
HS-232	Case Management	33	3				
HS-282	Human Services Generalist III: CWE/Practicum	144	4				
--	Human Services Generalist program electives		5				
Human Services Generalist Program Electives							
Students take 24 credits from courses taken for completion from any of the following certificate programs:  Gerontology, Gerontology for Health Care Professionals, Nursing Assistant-Gerontology Specialist, Juvenile Corrections, or Early Childhood Education & Family Studies.							
Any course numbered 100 or above in the following prefixes as long as the course is not fulfilling another requirement in this degree:  ASL, CJA, COMM, ECE, ED, FR, GER, GRN, HD, HDF, HS, MA, PSY, SOC, SPN, WS or any of the following Health courses:				Any course numbered 100 or above in the following prefixes as long as the course is not fulfilling another requirement in this degree:  ASL, CJA, COMM, ECE, ED, FR, <b>FYE</b> , GER, GRN, HD, HDF, HS, MA, <b>MTH</b> , PSY, SOC, SPN, <b>WR</b> , WS or any of the following Health courses:			
HE-164	Body & Drugs II: Alcohol	33	3				
HE-205	Youth Addictions	33	3				
HE-249	Mental Health	33	3	REMOVE			
HE-252	First Aid/CPR/AED	33	3				
HE-263	Body & Drugs III: Marijuana	33	3				
HE-264	Body & Drugs IV: Other Drugs, Other Addictions	33	3				
<b>TOTAL CURRENT CREDITS:</b>			90-92	<b>TOTAL PROPOSED CREDITS:</b>			



<b>College Contact</b>	Yvonne Smith	<b>Telephone No.</b>	3207
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>			<b>Date</b> 12/7/2020



## COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

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

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<b>College:</b>	Clackamas Community College	<b>Date</b>	
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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 <a href="http://www.ode.state.or.us/search/results/?id=232">http://www.ode.state.or.us/search/results/?id=232</a>)</small>	<u>APPROVED</u> CIP Code <small>(Include 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<u>APPROVED</u> Recognition Award	Current Credits
	<u>6-digit CIP</u>	<u>7<sup>th</sup> digit</u>	<u>8<sup>th</sup> digit</u>		
<b>AAS Title:</b> Human Services Generalist AAS				<input type="checkbox"/> Associate of Applied Science (AAS) Degree	
<b>Option Title**</b>				<input type="checkbox"/> OPTION to AAS Degree	
<b>Certificate Title:</b> <i>Within</i> AAS Degree? <input checked="" type="checkbox"/> Yes** <input type="checkbox"/> No Human Services Generalist CC.HUMANSERVGEN	44.0701			<input checked="" type="checkbox"/> CC1R Related Certificate (45-60 credits)	45-48

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

LAST AMENDMENT APPROVED ON 01/19/2018

### TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)


<input type="checkbox"/> New Program++	<input type="checkbox"/> Curriculum Revision	<input checked="" type="checkbox"/> Revision in Program Credits
<input type="checkbox"/> Title Change for Program		<i>Proposed Total Credits:</i>
<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>	
<b>Suspension Effective Date:</b>		

## 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><b>CURRENT CURRICULUM 20-21</b></i>				<i><b>PROPOSED CURRICULUM 21-22</b></i>			
<small>[List entire curriculum as last approved]</small>				<small>[List only course(s) to be amended]</small>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Fall Term							
HE-163	Body & Drugs I: Introduction to Abuse & Addiction	33	3				
HS-100	Introduction to Human Services	33	3				
<b>WR-101 Or WR-121</b>	<b>Communication Skills: Occupational Writing or English Composition</b>	<b>33- 44</b>	<b>3-4</b>				
--	Human Services Generalist program electives		6				
Winter Term							
HDF-260 Or GRN-184	Understanding Child Abuse and Neglect or Aging & the Individual	33-44	3-4				
HS-154	Community Resources	33	3				
<b>MTH-050 Or MTH-065 Or MTH-098</b>	<b>Technical Mathematics I Or Algebra II Or College Math Foundations</b>	<b>44</b>	<b>4</b>				
--	Human Services Generalist program electives		5				
Spring Term							
HDF-140 Or SOC-210	Contemporary American Families or Marriage, Family, & Intimate Relations	33-44	3-4				
HE-164 Or HE-263 Or HE-264	Body & Drugs II: Alcohol or Body & Drugs III: Marijuana or Body & Drugs IV: Other Drugs, Other Addictions	33	3				
<b>HS-156</b>	<b>Conducting Human Service Interviews</b>	<b>33</b>	<b>3</b>				
HS-170	Preparation for Field Experience in Human Services	33	3				
HS-280	Human Services Generalist I: CWE/Practicum	108	3				
Human Services Generalist Program Electives							

Students take 11 credits from courses taken for completion from any of the following certificate programs:  Gerontology, Gerontology for Health Care Professionals, Nursing Assistant-Gerontology Specialist, Juvenile Corrections, or Early Childhood Education & Family Studies.							
Any course numbered 100 or above in the following prefixes as long as the course is not fulfilling another requirement in this degree: ASL, CJA, COMM, ECE, ED, FR, GER, GRN, HD, HDF, HS, MA, PSY, SOC, SPN, WS or any of the following Health courses:				Any course numbered 100 or above in the following prefixes as long as the course is not fulfilling another requirement in this degree: ASL, CJA, COMM, ECE, ED, FR, <b>FYE</b> , GER, GRN, HD, HDF, HS, MA, <b>MTH</b> , PSY, SOC, SPN, <b>WR</b> , WS or any of the following Health courses:			
HE-164	Body & Drugs II: Alcohol	33	3				
HE-205	Youth Addictions	33	3				
HE-249	Mental Health	33	3	REMOVE			
HE-252	First Aid/CPR/AED	33	3				
HE-263	Body & Drugs III: Marijuana	33	3				
HE-264	Body & Drugs IV: Other Drugs, Other Addictions	33	3				
<b>TOTAL CURRENT CREDITS:</b>			45-48	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Yvonne Smith	<b>Telephone No.</b>	3207
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>			<b>Date</b> 12/7/2020

## AA.OREGONTRANSFER

## Associate of Arts Oregon Transfer Degree (AAOT)

## Requirements

## Courses

Choose from the following courses to meet degree requirements.  
All courses must be passed with a C or better.

<p>Writing 8 credits, information literacy will be included in the Writing Requirement.</p>	<p>WR-121 and either 122, or 227</p>
<p>Oral Communication - 1 course</p>	<p>COMM-111</p>
<p>Mathematics - 1 course</p>	<p>MTH-105, 111, 112, 211, 212, 213, 243, 244, 251, 252, 253, 254, 256, 261</p>
<p>Health &amp; Physical Education 1 or more courses totaling at least 3 credits.</p>	<p>PE-185, 194, 240, 260, 270, 294, 294A HE-201, 202, 204, 205, 207, 223, 249, 250, 252, 255, 261 HPE-295</p>
<p><b>GENERAL EDUCATION DISTRIBUTION AREA</b>  Arts &amp; Letters  <ul style="list-style-type: none"> <li>• 3 courses from 2 or more disciplines.</li> <li>• Each course must be at least 3 credits.</li> </ul> </p>	<p>ART-101, 115, <del>116</del>, 117, 131, 204*, 205*, 206*, 232, 233, 250, 251, 252, 253, 254, 255, 257, 281, 282, 283, 284, 285, 286, 291, 292, 293  ASL-201*, 202*, 203*  BA-130  COMM-112, 126*, 140*, 212, 218*, 219*, 227  <del>DMC-194, 195</del>  ENG-104, 105, 106, 107*, 108*, 109*, 116, 121, 130, 194, 195, 201, 202, 204, 205, 213*, 218, 226, 240*, 241*, 250*, 251*, 252*, 253, 254, 255, 260, 261*, 266, 270, 271*, 272*, 273*, 295*, 296  FR-201*, 202*, 203*  GER-201*, 202*, 203*  HUM-235*, 237*, 240*, 241*, 242*  J-211, 216  MUS-105, 111, 112, 113, 205, 206*, 211, 212, 213  PHL-101*, 102*, 103*, 205*, 210*, 213*, 216*  R-101*, 102*, 103*, 204*, 210*, 211*, 212*  SPN-201*, 202*, 203*  SSC-237*  TA-101, 102, 103, 111, 122, 123, 141, 142, 143, 153  WR-241*, 242, 243, 244*, 245, 247, 248, 262, 263, 265, 270  WS-101*</p>
<p><b>GENERAL EDUCATION DISTRIBUTION AREA</b>  Social Science  <ul style="list-style-type: none"> <li>• 4 courses from 2 or more disciplines.</li> <li>• Each course must be at least 3 credits.</li> </ul> </p>	<p>ANT-101, 102*, 103*, 231*, 232*  CIA-101, 201  EC-200, 201, 202  GEO-100*, 110*, 130*, 208*  HE-163, 164  HST-101*, 102*, 103*, 130*, 131*, 132*, 136*, 137*, 138*, 201*, 202*, 203*  HUM-237*  PS-200*, 201, 203, 204, 205, 225, 297  PSY-200, 205*, 215, 219*, 231*  SOC-204*, 205*, 206*, 210*, 225*  SSC-235*, 237*, 240*, 241*, 242*  WS-101*</p>
<p><b>GENERAL EDUCATION DISTRIBUTION AREA</b>  Science/Math/Computer Science  <ul style="list-style-type: none"> <li>• 4 courses from at least 2 disciplines including at least 3 laboratory courses in biological and/or physical science.</li> <li>• Each course must be at least 3 credits.</li> </ul> </p>	<p>ASC-175, 176, 177  BI-101, 102, 103, 112, 160, 160L, 165C, 165CL, 165D, 175, 176, 177, 204, 211, 212, 213, 231, 232, 233, 234  CH-104, 105, 106, 112, 114, 221, 222, 223  ESR-171, 172, 173  G-101, 102, 103, 145, 148, 201, 202, 203  GS-104, 105, 106, 107  MTH-105, 111, 112, 211, 212, 213, 243, 244, 251, 252, 253, 254, 256, 261  PH-121, 122, 123, 201, 202, 203, 211, 212, 213  Z-201, 202, 203</p>

Cultural Literacy - 1 course	Courses meeting the Cultural Literacy requirement are noted with an asterisk.
<b>Elective Courses</b> Any college-level course that would bring total credits to 90 credits.	Other courses numbered 100 or above may be used in this area, which may include up to 12 credits of career technical courses. Please refer to Elective Course List for AAOT, ASOT-Business, and ASOT-Computer Science, pages 160-161, for a listing of courses that may be included.

*\* Course meets Cultural Literacy requirement.*

*See course descriptions, pages 162-260, for course requisites.*

**Note: No course may be used to satisfy more than one requirement or distribution area.**

AGS.GENERAL

Associate of General Studies Degree (AGS)

Requirements	Credit/Courses Required
Writing - 1 course	WR-121
Communication - 1 course	COMM-100, 111, 112, 126, 140, 212, 218, 219, 227
Mathematics - 1 course	MTH-065, 080, 095, 098, 105 or higher
Health & Physical Education - 1 course	Any 100-level course or above with an HE, HPE or PE prefix or MFG-107
Arts & Letters - 4 credits	ART-101, 115, <del>116</del> , 117, 131, 204, 205, 206, 232, 233, 250, 251, 252, 253, 254, 255, 257, 281, 282, 283, 284, 285, 286, 291, 292, 293 ASL-201, 202, 203 BA-130 COMM-112, 126, 140, 212, 218, 219, 227 <del>DMC-194, 195</del> ENG-104, 105, 106, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 204, 205, 213, 218, 226, 240, 241, 250, 251, 252, 253, 254, 255, 260, 261, 266, 270, 271, 272, 273, 295, 296 FR-201, 202, 203 GER-201, 202, 203 HUM-235, 237, 240, 241, 242 J-211, 216 MUS-105, 111, 112, 113, 205, 206, 211, 212, 213 PHL-101, 102, 103, 205, 210, 213, 216 R-101, 102, 103, 204, 210, 211, 212 SPN-201, 202, 203 SSC-237 TA-101, 102, 103, 111, 122, 123, 141, 142, 143, 153 WR-241, 242, 243, 244, 245, 247, 248, 262, 263, 265, 270 WS-101
Social Science - 4 credits	ANT-101, 102, 103, 231, 232 CIA-101, 201 EC-200, 201, 202 GEO-100, 110, 130, 208 HE-163, 164 HST-101, 102, 103, 130, 131, 132, 136, 137, 138, 201, 202, 203 HUM-237 PS-200, 201, 203, 204, 205, 225, 297 PSY-200, 205, 215, 219, 231 SOC-204, 205, 206, 210, 225 SSC-235, 237, 240, 241, 242 WS-101
Science/Math/Computer Science - 4 credits	ASC-175, 176, 177 BI-101, 102, 103, 112, 160, 160L, 165C, 165CL, 165D, 175, 176, 177, 204, 211, 212, 213, 231, 232, 233, 234 CH-104, 105, 106, 112, 114, 221, 222, 223 ESR-171, 172, 173 G-101, 102, 103, 145, 148, 201, 202, 203 GS-104, 105, 106, 107 MTH-105, 111, 112, 211, 212, 213, 243, 244, 251, 252, 253, 254, 256, 261 PH-121, 122, 123, 201, 202, 203, 211, 212, 213 Z-201, 202, 203
Other College-level Courses - Any course numbered 100 or above that would bring total credits to 90.	Additional college-level coursework (100 number or above) not already used to satisfy any of the above requirements, to reach total minimum of 90 credits
<b>90 credits</b>	

complete a minimum of 90 credits

establish cumulative GPA of 2.0 or above

complete at least 23 credits at CCC

submit a petition for graduation form to Graduation Services two terms prior to when you expect to graduate.

AS.OTBUSINESS

Associate of Science Oregon Transfer Degree–Business (ASOT–Business)

Requirements

Courses

*Choose from the following courses to meet degree requirements.  
All courses must be passed with a C or better.*

<p><b>Writing</b> 8 credits, information literacy will be included in the Writing Requirement.</p>	<p>WR-121 and either 122, or 227</p>
<p><b>Oral Communication</b> 1 course</p>	<p>COMM-111</p>
<p><b>Mathematics</b> Minimum of 3 courses, including one course of statistics</p>	<p>MTH-111 or higher, 4 credits of statistics (MTH-243 or MTH-244) are required.</p>
<p><b>Cultural Literacy</b> • 1 course • Each course must be at least 3 credits.</p>	<p>Courses meeting the Cultural Literacy requirement are noted with an asterisk.</p>
<p><b>GENERAL EDUCATION DISTRIBUTION AREA</b> <b>Arts &amp; Letters</b> • 3 courses from 2 or more disciplines. • Each course must be at least 3 credits.</p>	<p>ART-101, 115, <del>116</del>, 117, 131, 204*, 205*, 206*, 232, 233, 250, 251, 252, 253, 254, 255, 257, 281, 282, 283, 284, 285, 286, 291, 292, 293 ASL-201*, 202*, 203* BA-130 COMM-112, 126*, 140*, 212, 218*, 219*, 227 <del>DMC-194, 195</del> ENG-104, 105, 106, 107*, 108*, 109*, 116, 121, 130, 194, 195, 201, 202, 204, 205, 213*, 218, 226, 240*, 241*, 250*, 251*, 252*, 253, 254, 255, 260, 261*, 266, 270, 271*, 272*, 273*, 295*, 296 FR-201*, 202*, 203* GER-201*, 202*, 203* HUM-235*, 237*, 240*, 241*, 242* J-211, 216 MUS-105, 111, 112, 113, 205, 206*, 211, 212, 213 PHL-101*, 102*, 103*, 205*, 210*, 213*, 216* R-101*, 102*, 103*, 204*, 210*, 211*, 212* SPN-201*, 202*, 203* SSC-237* TA-101, 102, 103, 111, 122, 123, 141, 142, 143, 153 WR-241*, 242, 243, 244*, 245, 247, 248, 262, 263, 265, 270 WS-101*</p>
<p><b>GENERAL EDUCATION DISTRIBUTION AREA</b> <b>Social Science</b> • 4 courses from 2 or more disciplines, including EC-201 and EC-202 completed with a grade of C- or better. • Each course must be at least 3 credits.</p>	<p>EC-201 and EC-202 and courses from the following list: ANT-101, 102*, 103*, 231*, 232* CIA-101, 201 EC-200, 201, 202 GEO-100*, 110*, 130*, 208* HE-163, 164 HST-101*, 102*, 103*, 130*, 131*, 132*, 136*, 137*, 138*, 201*, 202*, 203* HUM-237* PS-200*, 201, 203, 204, 205, 225, 297 PSY-200, 205*, 215, 219*, 231* SOC-204*, 205*, 206*, 210*, 225* SSC-235*, 237*, 240*, 241*, 242* WS-101*</p>



<p><b>GENERAL EDUCATION DISTRIBUTION AREA</b></p> <p><b>Science</b></p> <ul style="list-style-type: none"> <li>• 4 courses from at least 2 disciplines including at least 3 laboratory courses in biological and/or physical science.</li> <li>• Minimum of 12 credits of laboratory science required.</li> <li>• Each course must be at least 3 credits.</li> </ul>	<p>ASC-175, 176, 177  BI-101, 102, 103, 112, 160, 160L, 165C, 165CL, 165D, 175, 176, 177, 204, 211, 212, 213, 231, 232, 233, 234  CH-104, 105, 106, 112, 114, 221, 222, 223  ESR-171, 172, 173  G-101, 102, 103, 145, 148, 201, 202, 203  GS-104, 105, 106, 107  PH-121, 122, 123, 201, 202, 203, 211, 212, 213  Z-201, 202, 203</p>
<p><b>Business Specific</b>  Minimum 20 credits, with a grade of C or better</p>	<p>BA-101, 131, 211, 213 and 226</p>
<p><b>Elective and/or University Specific Requirements</b></p>	<p>Determined by choice of transfer institution. Please contact your transfer advisor for assistance. Other courses numbered 100 or above may be used in this area, which may include up to 12 credits of career technical courses. Please refer to Elective Course List for AAOT, ASOT-Business, and ASOT-Computer Science, pages 160-161, for a listing of courses that may be included.</p>

\* Course meets Cultural Literacy requirement.

See course descriptions, pages 162-260, for course requisites.

Note: No course may be used to satisfy more than one requirement or distribution area.

AS.OTCOMPSCIENCE  
Associate of Science Oregon Transfer Degree – Computer Science  
(ASOT–Computer Science)

Requirements

Courses

*Choose from the following courses to meet degree requirements.  
All courses must be passed with a C or better.*

<p><b>Writing</b> 8 credits, information literacy will be included in the Writing Requirement.</p>	<p>WR-121, and either 122 or 227</p>
<p>Oral Communication - 1 course</p>	<p>COMM-111</p>
<p>Mathematics - 2 courses</p>	<p>MTH-251 and MTH-252.</p>
<p><b>Health/Wellness/Fitness</b> 1 or more HE, HPE or PE courses totaling at least 3 credits.</p>	<p>PE-185, 194, 240, 260, 270, 294, 294A HE-201, 202, 204, 205, 207, 223, 249, 250, 252, 255, 261 HPE-295</p>
<p><b>GENERAL EDUCATION DISTRIBUTION AREA</b></p> <p><b>Arts &amp; Letters</b></p> <ul style="list-style-type: none"> <li>• 3 courses from 2 or more disciplines.</li> <li>• Each course must be at least 3 credits.</li> </ul>	<p>ART-101, 115, <del>116</del>, 117, 131, 204*, 205*, 206*, 232, 233, 250, 251, 252, 253, 254, 255, 257, 281, 282, 283, 284, 285, 286, 291, 292, 293 ASL-201*, 202*, 203* BA-130 COMM-112, 126*, 140*, 212, 218*, 219*, 227 <del>DMC-194, 195</del> ENG-104, 105, 106, 107*, 108*, 109*, 116, 121, 130, 194, 195, 201, 202, 204, 205, 213*, 218, 226, 240*, 241*, 250*, 251*, 252*, 253, 254, 255, 260, 261*, 266, 270, 271*, 272*, 273*, 295*, 296 FR-201*, 202*, 203* GER-201*, 202*, 203* HUM-235*, 237*, 240*, 241*, 242* J-211, 216 MUS-105, 111, 112, 113, 205, 206*, 211, 212, 213 PHL-101*, 102*, 103*, 205*, 210*, 213*, 216* R-101*, 102*, 103*, 204*, 210*, 211*, 212* SPN-201*, 202*, 203* SSC-237* TA-101, 102, 103, 111, 122, 123, 141, 142, 143, 153 WR-241*, 242, 243, 244*, 245, 247, 248, 262, 263, 265, 270 WS-101*</p>
<p><b>GENERAL EDUCATION DISTRIBUTION AREA</b></p> <p><b>Social Science</b></p> <ul style="list-style-type: none"> <li>• 4 courses from 2 or more disciplines.</li> <li>• Each course must be at least 3 credits.</li> </ul>	<p>ANT-101, 102*, 103*, 231*, 232* CIA-101, 201 EC-200, 201, 202 GEO-100*, 110*, 130*, 208* HE-163, 164 HST-101*, 102*, 103*, 130*, 131*, 132*, 136*, 137*, 138*, 201*, 202*, 203* HUM-237* PS-200*, 201, 203, 204, 205, 225, 297 PSY-200, 205*, 215, 219*, 231* SOC-204*, 205*, 206*, 210*, 225* SSC-235*, 237*, 240*, 241*, 242* WS-101*</p>

<p><b>GENERAL EDUCATION DISTRIBUTION AREA</b></p> <p><b>Science/Math/Computer Science</b></p> <ul style="list-style-type: none"> <li>• 4 courses from at least 2 disciplines, including at least 3 lab courses in biological or physical science.</li> <li>• Each course must be at least 3 credits.</li> </ul>	<p>ASC-175, 176, 177  BI-101, 102, 103, 112, 160, 160L, 165C, 165CL, 165D, 175, 176, 177, 204, 211, 212, 213, 231, 232, 233, 234  CH-104, 105, 106, 112, 114, 221, 222, 223  ESR-171, 172, 173  G-101, 102, 103, 145, 148, 201, 202, 203  GS-104, 105, 106, 107  MTH-105, 111, 112, 211, 212, 213, 243, 244, 251, 252, 253, 254, 256, 261  PH-121, 122, 123, 201, 202, 203, 211, 212, 213  Z-201, 202, 203</p>
<p><b>Cultural Literacy - 1 course</b></p> <ul style="list-style-type: none"> <li>• Each course must be at least 3 credits.</li> </ul>	<p>Courses meeting the Cultural Literacy requirement are noted with an asterisk.</p>
<p><b>Computer Science Specific Requirements</b></p> <ul style="list-style-type: none"> <li>• Minimum of 16 credits in Computer Science consisting of these courses.</li> <li>• Each course in this section must be completed with a grade of C or better.</li> <li>• Each course must be at least 3 credits.</li> </ul>	<p>CS-160, CS-161, CS-162, CS-260</p>
<p><b>Elective and/or University Specific Requirements</b></p>	<p>Determined by choice of transfer institution. Contact your transfer advisor for assistance. Other courses numbered 100 or above may be used in this area, which may include up to 12 credits of career technical courses. Please refer to Elective Course List for AAOT, ASOT-Business, and ASOT-Computer Science, pages 160-161 for a listing of courses that may be included.</p>

*See course descriptions, pages 162-260 for course requisites.*

**Note: No course may be used to satisfy more than one requirement or distribution area.**

NA.OTM

Oregon Transfer Module (OTM)

	Requirements	Courses
Foundational Skills  Introduction to Disciplines	Writing - 2 courses, information literacy will be included in the Writing Requirement.	WR-121 and either 122, or 227
	Oral Communication - 1 course	COMM-111
	Mathematics - 1 course	MTH-105, 111, 112, 211, 212, 213, 251
	Arts & Letters - 3 courses	ART-101, 115, <del>116</del> , 117, 131, 204, 205, 206, 232, 233, 250, 251, 252, 253, 254, 255, 257, 281, 282, 283, 284, 285, 286, 291, 292, 293 ASL-201, 202, 203 BA-130 COMM-112, 126, 140, 212, 218, 219, 227 <del>DMC-194, 195</del> ENG-104, 105, 106, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 204, 205, 213, 218, 226, 240, 241, 250, 251, 252, 253, 254, 255, 260, 261, 266, 270, 271, 272, 273, 295, 296 FR-201, 202, 203 GER-201, 202, 203 HUM-235, 237, 240, 241, 242 J-211, 216 MUS-105, 111, 112, 113, 205, 206, 211, 212, 213 PHL-101, 102, 103, 205, 210, 213, 216 R-101, 102, 103, 204, 210, 211, 212 SPN-201, 202, 203 SSC-237 TA-101, 102, 103, 111, 122, 123, 141, 142, 143, 153 WR-241, 242, 243, 244, 245, 247, 248, 262, 263, 265, 270 WS-101
	Social Science - 3 courses	ANT-101, 102, 103, 231, 232 CIA-101, 201 EC-200, 201, 202 GEO-100, 110, 130, 208 HE-163, 164 HST-101, 102, 103, 130, 131, 132, 136, 137, 138, 201, 202, 203 HUM-237 PS-200, 201, 203, 204, 205, 225, 297 PSY-200, 205, 215, 219, 231 SOC-204, 205, 206, 210, 225 SSC-235, 237, 240, 241, 242 WS-101
	Science/Math/Computer Science 3 courses, including at least 1 biological or physical science with a lab.	ASC-175, 176, 177 BI-101, 102, 103, 112, 160, 160L, 165C, 165CL, 165D, 175, 176, 177, 204, 211, 212, 213, 231, 232, 233, 234 CH-104, 105, 106, 112, 114, 221, 222, 223 ESR-171, 172, 173 G-101, 102, 103, 145, 148, 201, 202, 203 GS-104, 105, 106, 107 MTH-105, 111, 112, 211, 212, 213, 243, 244, 251, 252, 253, 254, 256, 261 PH-121, 122, 123, 201, 202, 203, 211, 212, 213 Z-201, 202, 203
	Elective Courses Combined with above must equal at least 45 credits.	Courses must be from Arts & Letters, Social Science, or Science/Math/Computer Science disciplines above.

**Notes:**

1. All courses must be 100 level or higher.
2. All courses must be at least 3 credits.
3. All courses must be passed with a grade of "C" or better.
4. Students must have a minimum cumulative GPA of 2.0 at the time the module is posted.
5. No course may be used to satisfy more than one requirement or distribution area.



## COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

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

<b>College:</b>	Clackamas Community College	<b>Date:</b>	
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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 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<i>APPROVED</i> Recognition Award	Current Credits
	<small>6-digit CIP</small>	<small>7<sup>th</sup> digit</small>	<small>8<sup>th</sup> digit</small>		
<b>AS Area of Emphasis Title: Engineering – Biological Engineering</b> AS.OSUBIOLENGR				<b>Associate of Applied Science Area of Emphasis</b>	<b>107</b>
<b>Partnering Institution Name Oregon State University</b>					


Last amendment approved on 02.07.20

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"/> <b>SUSPENSION</b> of Program	<i>Reason for Suspension:</i>	
<b>Suspension Effective Date:</b>		

## 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.]

<b>CURRENT CURRICULUM 20-21</b> [List entire curriculum as last approved]				<b>PROPOSED CURRICULUM 21-22</b> [List only course(s) to be amended]			
Course Number	Course Title	Clock Hours	Credits	Course Number	Course Title	Clock Hours	Credits
<b>Program Requirements – 1<sup>st</sup> Year</b>							
<b>Fall Term</b>							
COMM-111	Public Speaking	44	4				
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
WR-121	English Composition	44	4				
<b>Winter Term</b>							
BI-204	Elementary Microbiology	66	4				
CH-221	General Chemistry	77	5				
ENGR-112	Engineering Programming	33	3				
MTH-252	Calculus II	55	5				
<b>Spring Term</b>							
CH-222	General Chemistry	77	5				
MTH-254	Vector Calculus	55	5				
WR-227	Technical Report Writing	44	4				
<b>Summer Term</b>							
CH-223	General Chemistry	77	5				
MTH-256	Differential Equations	44	4				
--	Social Process elective		4				
<b>Program Requirements – 2<sup>nd</sup> Year</b>							
<b>Fall Term</b>							
CH-241	Organic Chemistry I	77	5				
ENGR-211	Statics	44	4				
PH-211	General Physics with Calculus	70	5				
<b>Winter Term</b>							
CH-242	Organic Chemistry II	77	5				
MTH-253	Calculus III	55	5				
PH-212	General Physics with Calculus	70	5				
<b>Spring Term</b>							
CH-243	Organic Chemistry III	77	5				
ENGR-201	Electrical Fundamentals	66	4				
PH-213	General Physics with Calculus	70	5				
--	Western Culture elective		4				
<b>Social Processes Elective</b>							
ANT-103; EC-201, 202; HST-101, 102, 103; PS-201, 204, 205, 225; PSY-110, 200, 205, 219, 231; SOC-204, 205, 206;							
<b>Western Culture Elective</b>							
ART-204, 205, 206; ENG-107, 108, 109, 201, 202, 204, 205, 250, 251, 253, 254, 255; GEO-208; HST-101, 102, 103, 132, 201, 202, 203; PHL-102; R-204;							
<b>Optional: While not required for the A.S. degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State University. The Bachelor of Science degree requires the completion of one course from each category below.</b>							

<b>Cultural Diversity Elective</b>			
ANT-231, 232; ENG-213, 252; R-101, 102, 103, 210;			
<b>Literature and the Arts Elective</b>			
ART-101, 204, 205, 206; DMC-194; ENG-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 241, 250, 251, 252, 253, 254, 255, 260, 270; MUS-105, 205, 206;		Remove DMC-194	
<b>Difference, Power, and Discrimination Elective</b>			
HST-201, 202, 203; SOC-225			
<b>Physical Education Elective</b>			
HPE-295			
<b>TOTAL CURRENT CREDITS:</b>		107	<b>TOTAL PROPOSED CREDITS:</b>
<b>College Contact</b>		<b>Telephone No.</b>	
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or CTE Dean Signature</b>			<b>Date</b> 12/16/20



## COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

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

<b>College:</b>	Clackamas Community College	<b>Date:</b>	
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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 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<i>APPROVED</i> Recognition Award	Current Credits
	<i>6-digit CIP</i>	<i>7<sup>th</sup> digit</i>	<i>8<sup>th</sup> digit</i>		
<b>AS Area of Emphasis Title:</b> <b>Biology</b> AS.OSUBIOLOGY				Associate of Applied Science Area of Emphasis	<b>92</b>
<b>Partnering Institution Name</b> <b>Oregon State University</b>					

Last amendment approved on 2/7/20

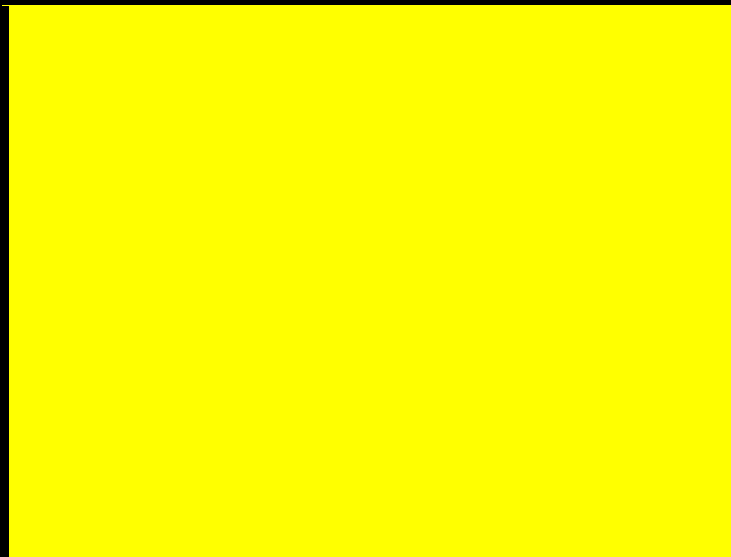
TYPE OF PROGRAM AMENDMENT		
<small>(Check ALL That Apply)</small>		
<input type="checkbox"/> New Agreement	<input checked="" type="checkbox"/> Curriculum Revision	<input type="checkbox"/> Revision in Program Credits
		<i>Proposed Total Credits:</i>
<input type="checkbox"/> <i>SUSPENSION</i> of Program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



## CURRICULUM AMENDMENT

<b>CURRENT CURRICULUM 20-21</b> <small>[List entire curriculum as last approved]</small>				<b>PROPOSED CURRICULUM 21-22</b> <small>[List only course(s) to be amended]</small>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Program Requirements – First Year</b>							
<b>Fall Term</b>							
BI-211	General Biology for Science Majors (Cellular Biology)	77	5				
CH-221	General Chemistry	77	5				
PE-185	Physical Education	33	1				
WR-121	English Composition	44	4				
<b>Winter Term</b>							
BI-212	General Biology for Science Majors (Animal Biology)	77	5				
CH-222	General Chemistry	77	5				
MTH-251	Calculus I	55	5				
<b>Spring Term</b>							
BI-213	General Biology for Science Majors (Plant Biology & Ecology)	77	5				
COMM-111 or COMM-112 or COMM-218	Public Speaking or Persuasive Speaking or Interpersonal Communication	44	4				
CH-223	General Chemistry	77	5				
<b>Program Requirements – Second Year</b>							
<b>Fall Term</b>							
CH-241*	Organic Chemistry I	77	5				
PH-201 Or PH-211	General Physics or General Physics with Calculus	70	5				
WR-122 Or WR-227	English Composition or Technical Report Writing	44	4				
--	Core electives		3				
<b>Winter Term</b>							
CH-242*	Organic Chemistry II	77	5				
MTH-252	Calculus II	55	5				
PH-202 or PH-212	General Physics or General Physics with Calculus	70	5				
<b>Spring Term</b>							
CH-243*	Organic Chemistry III	77	5				
HPE-295	Health & Fitness for Life	60	3				
PH-203 or PH-213	General Physics or General Physics with Calculus	70	5				
--	Core electives		3				
*Organic Chemistry – satisfies degree requirement but does not transfer at 300 level credits unless students passes the ACS organic exam. OSU highly recommends taking the ACS organic exam. Transfers as a combination of CH-331, 332 & 337.							
<b>Core Electives</b>							
ANT-101, 102, 103, 231, 232; ART-101, 204, 205, 206;				REMOVE DMC-194 ADD ENG-194			

**ASC**-175, 176, 177;  
**BI**-101, 102, 103, 175, 176, 177, 204, 211, 212, 213, 234;  
**CH**-104, 105, 114, 221, 222, 223;  
**DMC**-194;  
**EC**-201, 202;  
**ENG**-104, 105, 106, 107, 108, 109, 201, 202, 204, 205, 213, 240,  
 241, 250, 251, 252, 253, 254, 255;  
**ESR**-171, 172, 173;  
**G**-101, 102, 103, 201, 202, 203;  
**GEO**-100, 110, 130, 208;  
**GS**-104, 105, 106, 107;  
**HST**-101, 102, 103, 201, 202, 203;  
**MUS**-206;  
**PH**-121, 122, 123, 201, 202, 203, 211, 212, 213;  
**PHL**-102;  
**PS**-200, 201, 203, 204, 205, 225;  
**PSY**-110, 200, 205, 219, 231;  
**R**-101, 102, 103, 210, 204;  
**SOC**-204, 205, 206, 225;  
**Z**-201, 202, 203;



<b>TOTAL CURRENT CREDITS:</b>	92	<b>TOTAL PROPOSED CREDITS:</b>	
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<b>College Contact</b>		<b>Telephone No.</b>	
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<b>E-Mail Address</b>		<b>Fax No.</b>	
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<b>Chief Academic Officer or CTE Dean Signature</b>		<b>Date</b>	12/16/20
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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.

<b>College:</b>	Clackamas Community College	<b>Date:</b>	
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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 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<i>APPROVED</i> Recognition Award	Current Credits
	<i>6-digit CIP</i>	<i>7<sup>th</sup> digit</i>	<i>8<sup>th</sup> digit</i>		
<b>AS Area of Emphasis Title: Engineering – Chemical Engineering</b> AS.OSUCHEMENGR				<b>Associate of Applied Science Area of Emphasis</b>	<b>103</b>
<b>Partnering Institution Name Oregon State University</b>					

Last amendment approved on 02.07.20

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"/> <i>SUSPENSION</i> of Program	<i>Reason for Suspension:</i>	
<b>Suspension Effective Date:</b>		

## 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 20-21

[List entire curriculum as last approved]

### PROPOSED CURRICULUM 21-22

[List only course(s) to be amended]

Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Program Requirements – 1<sup>st</sup> Year</b>							
<b>Fall Term</b>							
COMM-111	Public Speaking	44	4				
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
WR-121	English Composition	44	4				
<b>Winter Term</b>							
CH-221	General Chemistry	77	5				
ENGR-112	Engineering Programming	33	3				
MTH-252	Calculus II	55	5				
WR-227	Technical Report Writing	44	4				
<b>Spring Term</b>							
CH-222	General Chemistry	77	5				
MTH-254	Vector Calculus	55	5				
--	Social Processes elective		4				
<b>Summer Term</b>							
CH-223	General Chemistry	77	5				
MTH-256	Differential Equations	44	4				
<b>Program Requirements – 2<sup>nd</sup> Year</b>							
<b>Fall Term</b>							
CH-241	Organic Chemistry I	77	5				
ENGR-211	Statics	44	4				
PH-211	General Physics with Calculus	70	5				
<b>Winter Term</b>							
CH-242	Organic Chemistry II	77	5				
MTH-253	Calculus III	55	5				
PH-212	General Physics with Calculus	70	5				
<b>Spring Term</b>							
CH-243	Organic Chemistry III	77	5				
ENGR-201	Electrical Fundamentals	66	4				
PH-213	General Physics with Calculus	70	5				
--	Western Culture elective		4				
<b>Social Processes Elective</b>							
ANT-103; EC-201, 202; HST-101, 102, 103; PS-201, 204, 205, 225; PSY-110, 200, 205, 219, 231; SOC-204, 205, 206;							
<b>Western Culture Elective</b>							
ART-204, 205, 206; ENG-107, 108, 109, 201, 202, 204, 205, 250, 251, 253, 254, 255; GEO-208; HST-101, 102, 103, 132, 201, 202, 203; PHL-102; R-204;							
<b>Optional:</b> While not required for the A.S. degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State University. The Bachelor of Science degree requires the completion of one course from each category below.							
<b>Cultural Diversity Elective</b>							

ANT-231, 232; ENG-213, 252; R-101, 102, 103, 210;			
Literature and the Arts Elective			
ART-101, 204, 205, 206; DMC-194; ENG-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 241, 250, 251, 252, 253, 254, 255, 260, 270; MUS-105, 205, 206;		REMOVE DMC-194	
Difference, Power, and Discrimination Elective			
HST-201, 202, 203; SOC-225;			
Biological Science Elective			
BI-101, 102, 103, 175, 176, 177, 204, 211, 212, 213, 234; ESR-171, 172, 173; Z-201, 202, 203;			
Physical Education Elective			
HPE-295;			
<b>TOTAL CURRENT CREDITS:</b>		103	<b>TOTAL PROPOSED CREDITS:</b>
<b>College Contact</b>		<b>Telephone No.</b>	
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or CTE Dean Signature</b>			<b>Date</b> 12/16/20



## COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

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

<b>College:</b>	Clackamas Community College	<b>Date:</b>	
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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 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<i>APPROVED</i> Recognition Award	Current Credits
	<i>6-digit CIP</i>	<i>7<sup>th</sup> digit</i>	<i>8<sup>th</sup> digit</i>		
<b>AS Area of Emphasis Title:</b> <b>Engineering – Civil Engineering</b> AS.OSUCIVILENGR				<b>Associate of Applied Science Area of Emphasis</b>	<b>97</b>
<b>Partnering Institution Name</b> <b>Oregon State University</b>					


Last amendment approved on 02.07.20

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"/> <i>SUSPENSION</i> of Program	<i>Reason for Suspension:</i>	
<b>Suspension Effective Date:</b>		

## 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.]

<b>CURRENT CURRICULUM 20-21</b> [List entire curriculum as last approved]				<b>PROPOSED CURRICULUM 21-22</b> [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Program Requirements – 1<sup>st</sup> Year</b>							
<b>Fall Term</b>							
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				
<b>Winter Term</b>							
CDT-103	Computer-Aided Drafting I	66	3				
CH-222	General Chemistry	77	5				
ENGR-112	Engineering Programming	33	3				
MTH-252	Calculus II	55	5				
<b>Spring Term</b>							
COMM-111	Public Speaking	44	4				
EC-201	Principles of Economics: MICRO	44	4				
MTH-254	Vector Calculus	55	5				
WR-227	Technical Report Writing	44	4				
<b>Summer Term</b>							
GIS-201	Introduction to Geographic Information Systems	66	3				
MTH-256	Differential Equations	44	4				
<b>Program Requirements – 2<sup>nd</sup> Year</b>							
<b>Fall Term</b>							
ENGR-211	Statics	44	4				
PH-211	General Physics with Calculus	70	5				
--	Western Culture elective		4				
<b>Winter Term</b>							
ENGR-212	Dynamics	44	4				
MTH-253	Calculus III	55	5				
PH-212	General Physics with Calculus	70	5				
<b>Spring Term</b>							
ENGR-201	Electrical Fundamentals	66	4				
ENGR-213	Strength of Materials	44	4				
PH-213	General Physics with Calculus	70	5				
<b>Western Culture Elective</b>							
<b>ART-204, 205, 206;</b> <b>ENG-107, 108, 109, 201, 202, 204, 205, 250, 251, 253, 254, 255;</b> <b>GEO-208;</b> <b>HST-101, 102, 103, 132, 201, 202, 203;</b> <b>PHL-102;</b> <b>R-204;</b>							
Optional: While not required for the A.S. degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State University. The Bachelor of Science degree requires the completion of one course from each category below.							
<b>Cultural Diversity Elective</b>							
<b>ANT-231, 232;</b> <b>ENG-213, 252;</b> <b>R-101, 102, 103, 210;</b>							
<b>Literature and the Arts Elective</b>							
<b>ART-101, 204, 205, 206;</b>				<b>REMOVE DMC-194</b>			

<b>DMC-194;</b> <b>ENG-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205,</b> <b>213, 241, 250, 251, 252, 253, 254, 255, 260, 270;</b> <b>MUS-105, 205, 206;</b>			
Difference, Power, and Discrimination Elective			
<b>HST-201, 202, 203;</b> <b>SOC-225;</b>			
Biological Science Elective			
<b>BI-101, 102, 103, 175, 176, 177, 204, 211, 212, 213, 234;</b> <b>ESR-171, 172, 173;</b> <b>Z-201, 202, 203;</b>			
<b>TOTAL CURRENT CREDITS:</b>		97	<b>TOTAL PROPOSED CREDITS:</b>
<b>College Contact</b>		<b>Telephone No.</b>	
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or CTE Dean Signature</b>			<b>Date</b> 12/16/20





## COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

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

<b>College:</b>	Clackamas Community College	<b>Date:</b>	
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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 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<i>APPROVED</i> Recognition Award	Current Credits
	<i>6-digit CIP</i>	<i>7<sup>th</sup> digit</i>	<i>8<sup>th</sup> digit</i>		
<b>AS Area of Emphasis Title: Engineering – Construction Engineering Management AS.OSUCONENRMGT</b>				<b>Associate of Applied Science Area of Emphasis</b>	<b>91-93</b>
<b>Partnering Institution Name Oregon State University</b>					

Elective credits changed during catalog edits, NOT APPROVED


Last amendment approved on 02.07.20

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"/> <i>SUSPENSION</i> of Program	<i>Reason for Suspension:</i>	
<b>Suspension Effective Date:</b>		

## 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.]

<b>CURRENT CURRICULUM 20-21</b> [List entire curriculum as last approved]				<b>PROPOSED CURRICULUM 21-22</b> [List only course(s) to be amended]			
Course Number	Course Title	Clock Hours	Credits	Course Number	Course Title	Clock Hours	Credits
<b>Program Requirements – 1<sup>st</sup> Year</b>							
<b>Fall Term</b>							
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				
<b>Winter Term</b>							
BA-226	Business Law I	44	4				
CDT-103	Computer-Aided Drafting I	66	3				
ENGR-112	Engineering Programming	33	3				
MTH-252	Calculus II	55	5				
<b>Spring Term</b>							
EC-201	Principles of Economics: MICRO	44	4				
EC-202	Principles of Economics: MACRO	44	4				
— —	Biological Science elective		4-5				
— —	Literature and the Arts elective		3-4				
<b>Program Requirements – 2<sup>nd</sup> Year</b>							
<b>Fall Term</b>							
ENGR-211	Statics	44	4				
HPE-295	Health & Fitness for Life	60	3				
PH-211	General Physics with Calculus	70	5				
<b>Winter Term</b>							
BA-215	Fundamentals of Accounting (online through OSU)		4				
PH-212	General Physics with Calculus	70	5				
PHL-102	Ethics	44	4				
— —	Cultural Diversity elective		4				
<b>Spring Term</b>							
COMM-111	Public Speaking	44	4				
ENGR-213	Strength of Materials	44	4				
ENGR-390	Engineering Economy (online through OSU)		3				
WR-227	Technical Report Writing	44	4				
<b>Cultural Diversity Elective</b>							
ANT-231, 232; ENG-213, 252; R-101, 102, 103, 210;							
<b>Literature and the Arts Elective</b>							
ART-101, 204, 205, 206; DMC-194; ENG-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 241, 250, 251, 252, 253, 254, 255, 260, 270; MUS-105, 205, 206;				REMOVE DMC-194			
<b>Biological Science Elective</b>							
BI-101, 102, 103, 175, 176, 177, 204, 211, 212, 213, 234; ESR-171, 172, 173; Z-201, 202, 203;							
<b>Catalog Notes</b>							

Optional: While not required for the AS degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State University. The Bachelor of Science degree requires the completion of one course from the category below.			
<b>Difference, Power, and Discrimination Elective</b>			
HST-201, 202, 203; SOC-225;			
<b>TOTAL CURRENT CREDITS:</b>	91-93	<b>TOTAL PROPOSED CREDITS:</b>	
<b>College Contact</b>		<b>Telephone No.</b>	
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or CTE Dean Signature</b>			<b>Date</b> 12/16/20



## COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

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

<b>College:</b>	Clackamas Community College	<b>Date:</b>	
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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 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<i>APPROVED</i> Recognition Award	Current Credits
	<i>6-digit CIP</i>	<i>7<sup>th</sup> digit</i>	<i>8<sup>th</sup> digit</i>		
<b>AS Area of Emphasis Title: Engineering – Ecological Engineering</b> AS.OSUECOLENGR				<b>Associate of Applied Science Area of Emphasis</b>	<b>102-103</b>
<b>Partnering Institution Name Oregon State University</b>					

Last amendment approved on 02.07.20

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"/> <b>SUSPENSION</b> of Program	<i>Reason for Suspension:</i>	
<b>Suspension Effective Date:</b>		

## 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 20-21

[List entire curriculum as last approved]

### PROPOSED CURRICULUM 21-22

[List only course(s) to be amended]

Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Program Requirements – 1<sup>st</sup> Year</b>							
<b>Fall Term</b>							
COMM-111	Public Speaking	44	4				
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
WR-121	English Composition	44	4				
<b>Winter Term</b>							
CH-221	General Chemistry	77	5				
ENGR-112	Engineering Programming	33	3				
MTH-252	Calculus II	55	5				
--	Literature and the Arts Elective		3-4				
<b>Spring Term</b>							
CH-222	General Chemistry	77	5				
MTH-254	Vector Calculus	55	5				
WR-227	Technical Report Writing	44	4				
<b>Summer Term</b>							
CH-223	General Chemistry	77	5				
MTH-256	Differential Equations	44	4				
<b>Program Requirements – 2<sup>nd</sup> Year</b>							
<b>Fall Term</b>							
BI-211	General Biology for Science Majors (Cellular Biology)	77	5				
ENGR-211	Statics	44	4				
PH-211	General Physics with Calculus	70	5				
<b>Winter Term</b>							
BI-212	General Biology for Science Majors (Animal Biology)	77	5				
MTH-253	Calculus III	55	5				
PH-212	General Physics with Calculus	70	5				
<b>Spring Term</b>							
BI-213	General Biology for Science Majors (Plant Biology & Ecology)	77	5				
ENGR-213	Strength of Materials	44	4				
PH-213	General Physics with Calculus	70	5				
--	Western Culture elective		4				
<b>Western Culture Elective</b>							
<b>ART-204, 205, 206;</b> <b>ENG-107, 108, 109, 201, 202, 204, 205, 250, 251, 253, 254, 255;</b> <b>GEO-208;</b> <b>HST-101, 102, 103, 201, 202, 203;</b> <b>PHL-102;</b> <b>R-204;</b>							
Optional: While not required for the A.S. degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science Degree at Oregon State University. The Bachelor of Science degree requires the completion of one course from each category below							
<b>Cultural Diversity Elective</b>							
<b>ANT-231, 232;</b> <b>ENG-213, 252;</b> <b>R-101, 102, 103, 210;</b>							

<b>Literature and the Arts Elective</b>			
ART-101, 204, 205, 206; DMC-194; ENG-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 241, 250, 251, 252, 253, 254, 255, 260, 270; MUS-105, 205, 206;		REMOVE DMC-194	
<b>Difference, Power, and Discrimination Elective</b>			
HST-201, 202, 203; SOC-225;			
<b>Physical Education Elective</b>			
HPE-295;			
<b>TOTAL CURRENT CREDITS:</b>		102-103	<b>TOTAL PROPOSED CREDITS:</b>
<b>College Contact</b>		<b>Telephone No.</b>	
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or CTE Dean Signature</b>			<b>Date</b> 12/16/20



## COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

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

<b>College:</b>	Clackamas Community College	<b>Date:</b>	
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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 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<i>APPROVED</i> Recognition Award	Current Credits
	<i>6-digit CIP</i>	<i>7<sup>th</sup> digit</i>	<i>8<sup>th</sup> digit</i>		
<b>AS Area of Emphasis Title: Engineering – Electrical Engineering</b> AS.OSUELCOMPENGR				<b>Associate of Applied Science Area of Emphasis</b>	<b>102</b>
<b>Partnering Institution Name Oregon State University</b>					

Last amendment approved on 02.07.20


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"/> <i>SUSPENSION</i> of Program	<i>Reason for Suspension:</i>	
<b>Suspension Effective Date:</b>		

## 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.]

<b>CURRENT CURRICULUM 20-21</b> [List entire curriculum as last approved]				<b>PROPOSED CURRICULUM 21-22</b> [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Program Requirements – First Year</b>							
<b>Fall Term</b>							
CS-161	Computer Science I	44	4				
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
WR-121	English Composition	44	4				
<b>Winter Term</b>							
CH-221	General Chemistry	77	5				
CS-162	Computer Science II	44	4				
ENGR-112	Engineering Programming	33	3				
MTH-252	Calculus II	55	5				
<b>Spring Term</b>							
CS-260	Data Structures	44	4				
MTH-253	Calculus III	55	5				
WR-227	Technical Report Writing	44	4				
--	Social Processes elective		4				
<b>Summer Term</b>							
COMM-111	Public Speaking	44	4				
MTH-256	Differential Equations	44	4				
<b>Program Requirements – Second Year</b>							
<b>Fall Term</b>							
ENGR-221	Electrical Circuit Analysis I	33	4				
MTH-254	Vector Calculus	55	5				
PH-211	General Physics with Calculus	70	5				
<b>Winter Term</b>							
ENGR-171	Digital Logic	66	4				
ENGR-222	Electrical Circuit Analysis II	66	4				
MTH-231	Elements of Discrete Mathematics	44	4				
PH-212	General Physics with Calculus	70	5				
<b>Spring Term</b>							
ENGR-223	Electrical Circuit Analysis III	66	4				
PH-213	General Physics with Calculus	70	5				
--	Western Culture elective		4				
<b>Social Processes Elective</b>							
<b>ANT-103;</b> <b>EC-201, 202;</b> <b>HST-101, 102, 103;</b> <b>PS-201, 204, 205, 225;</b> <b>PSY-110, 200, 205, 219, 231;</b> <b>SOC-204, 205, 206;</b>							
<b>Western Culture Elective</b>							
<b>ART-204, 205, 206;</b> <b>ENG-107, 108, 109, 201, 202, 204, 205, 250, 251, 253, 254, 255;</b> <b>GEO-208;</b> <b>HST-101, 102, 103, 132, 201, 202, 203;</b> <b>PHL-102;</b> <b>R-204;</b>							
<b>Optional:</b> While not required for the A.S. degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State							



University. The Bachelor of Science degree requires the completion of one course from each category below		
<b>Cultural Diversity Elective</b>		
ANT-231, 232; ENG-213, 252; R-101, 102, 103, 210;		
<b>Literature and the Arts Elective</b>		
ART-101, 204, 205, 206; DMC-194; ENG-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 250, 251, 252, 253, 254, 255, 260; MUS-105, 205, 206;		REMOVE DMC-194
<b>Difference, Power, and Discrimination Elective</b>		
HST-201, 202, 203; SOC-225;		
<b>Biological Science Elective</b>		
BI-101, 102, 103, 175, 176, 177, 204, 211, 212, 213, 234; ESR-171, 172, 173; Z-201, 202, 203;		
<b>Physical Education Elective</b>		
HPE-295;		
<b>TOTAL CURRENT CREDITS:</b>		<b>TOTAL PROPOSED CREDITS:</b>
	102	
<b>College Contact</b>		<b>Telephone No.</b>
<b>E-Mail Address</b>		<b>Fax No.</b>
<b>Chief Academic Officer or CTE Dean Signature</b>		<b>Date</b> 12/16/20



## COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

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

<b>College:</b>	Clackamas Community College	<b>Date:</b>	
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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 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<i>APPROVED</i> Recognition Award	Current Credits
	<i>6-digit CIP</i>	<i>7<sup>th</sup> digit</i>	<i>8<sup>th</sup> digit</i>		
<b>AS Area of Emphasis Title: Engineering – Energy Systems Engineering</b> AS.OSUENERGYSYS				<b>Associate of Applied Science Area of Emphasis</b>	<b>96-98</b>
<b>Partnering Institution Name Oregon State University</b>					

Last amendment approved on 02.07.20

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"/> <i>SUSPENSION</i> of Program	<i>Reason for Suspension:</i>	
<b>Suspension Effective Date:</b>		

## 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 20-21

[List entire curriculum as last approved]

### PROPOSED CURRICULUM 21-22

[List only course(s) to be amended]

Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Program Requirements – First Year</b>							
<b>Fall Term</b>							
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				
<b>Winter Term</b>							
CH-222	General Chemistry	77	5				
ENGR-112	Engineering Programming	33	3				
MTH-252	Calculus II	55	5				
<b>Spring Term</b>							
COMM-111	Public Speaking	44	4				
EC-201	Principles of Economics: MICRO	44	4				
MTH-254	Vector Calculus	55	5				
WR-227	Technical Report Writing	44	4				
<b>Summer Term</b>							
MTH-256	Differential Equations	44	4				
<b>Program Requirements – Second Year</b>							
<b>Fall Term</b>							
BA-211	Financial Accounting I	44	4				
ENGR-211	Statics	44	4				
ENGR-221	Electrical Circuit Analysis I	33	4				
PH-211	General Physics with Calculus	70	5				
<b>Winter Term</b>							
ENGR-212	Dynamics	44	4				
ENGR-222	Electrical Circuit Analysis II	66	4				
PH-212	General Physics with Calculus	70	5				
<b>Spring Term</b>							
PH-213	General Physics with Calculus	70	5				
--	Engineering elective		3-4				
--	Literature and the Arts Elective		3-4				
--	Western Culture elective		4				
<b>Engineering Elective</b>							
ENGR-115, 213, 223;							
<b>Western Culture Elective</b>							
ART-204, 205, 206; ENG-107, 108, 109, 201, 202, 204, 205, 250, 251, 253, 254, 255; GEO-208; HST-101, 102, 103, 132, 201, 202, 203; PHL-102; R-204;							
<b>Literature and the Arts Elective</b>							
ART-101, 204, 205, 206; DMC-194; ENG-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 241, 250, 251, 252, 253, 254, 255, 260, 270; MUS-105, 205, 206;				REMOVE DMC-194			
<b>Optional:</b> While not required for the A.S. degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State							

University. The Bachelor of Science degree requires the completion of one course from each category below.			
<b>Cultural Diversity Elective</b>			
ANT-231, 232; ENG-213, 252; R-101, 102, 103, 210;			
<b>Difference, Power, and Discrimination Elective</b>			
HST-201, 202, 203; SOC-225;			
<b>Biological Science Elective</b>			
BI-101, 102, 103, 175, 176, 177, 204, 211, 212, 213, 234; ESR-171, 172, 173; Z-201, 202, 203;			
<b>Physical Education Elective</b>			
HPE-295;			
<b>TOTAL CURRENT CREDITS:</b>		96-98	<b>TOTAL PROPOSED CREDITS:</b>
<b>College Contact</b>	Eric Lee	<b>Telephone No.</b>	X6163
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or CTE Dean Signature</b>			<b>Date</b> 12/16/20



## COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

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

<b>College:</b>	Clackamas Community College	<b>Date:</b>	
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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 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<i>APPROVED</i> Recognition Award	Current Credits
	<i>6-digit CIP</i>	<i>7<sup>th</sup> digit</i>	<i>8<sup>th</sup> digit</i>		
<b>AS Area of Emphasis Title: Engineering – Environmental Engineering</b> AS.OSUENVIRENGR				<b>Associate of Applied Science Area of Emphasis</b>	<b>110</b>
<b>Partnering Institution Name Oregon State University</b>					

Last amendment approved on 02.07.20

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"/> <i>SUSPENSION</i> of Program	<i>Reason for Suspension:</i>		
<b>Suspension Effective Date:</b>			

## 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 20-21

[List entire curriculum as last approved]

### PROPOSED CURRICULUM 21-22

[List only course(s) to be amended]

Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Program Requirements – First Year</b>							
<b>Fall Term</b>							
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
WR-121	English Composition	44	4				
--	Social Processes elective		4				
<b>Winter Term</b>							
CH-221	General Chemistry	77	5				
ENGR-112	Engineering Programming	33	3				
MTH-252	Calculus II	55	5				
WR-227	Technical Report Writing	44	4				
<b>Spring Term</b>							
CH-222	General Chemistry	77	5				
ENGR-115	Engineering Graphics	33	3				
MTH-254	Vector Calculus	55	5				
--	Western Culture elective		4				
<b>Summer Term</b>							
CH-223	General Chemistry	77	5				
COMM-111	Public Speaking	44	4				
MTH-256	Differential Equations	44	4				
<b>Program Requirements – Second Year</b>							
<b>Fall Term</b>							
CH-241	Organic Chemistry I	77	5				
ENGR-211	Statics	44	4				
PH-211	General Physics with Calculus	70	5				
<b>Winter Term</b>							
CH-242	Organic Chemistry II	77	5				
ENGR-212	Dynamics	44	4				
PH-212	General Physics with Calculus	70	5				
<b>Spring Term</b>							
CH-243	Organic Chemistry III	77	5				
ENGR-213	Strength of Materials	44	4				
MTH-253	Calculus III	55	5				
PH-213	General Physics with Calculus	70	5				
<b>Social Processes Elective</b>							
ANT-103; EC-201, 202; HST-101, 102, 103; PS-201, 204, 205, 225; PSY-110, 200, 205, 219, 231; SOC-204, 205, 206;							
<b>Western Culture Elective</b>							
ART-204, 205, 206; ENG-107, 108, 109, 201, 202, 204, 205, 250, 251, 253, 254, 255; GEO-208; HST-101, 102, 103, 132, 201, 202, 203; PHL-102; R-204;							
<b>Optional:</b> While not required for the A.S. degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State							

University. The Bachelor of Science degree requires the completion of one course from each category below.		
<b>Cultural Diversity Elective</b>		
ANT-231, 232; ENG-213, 252; R-101, 102, 103, 210;		
<b>Literature and the Arts Elective</b>		
ART-101, 204, 205, 206; DMC-194; ENG-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 250, 251, 252, 253, 254, 255, 260; MUS-105, 205, 206;		REMOVE DMC-194
<b>Difference, Power, and Discrimination Elective</b>		
HST-201, 202, 203; SOC-225;		
<b>Biological Science Elective</b>		
BI-101, 102, 103, 175, 176, 177, 204, 211, 212, 213, 234; ESR-171, 172, 173; Z-201, 202, 203;		
<b>Physical Education Elective</b>		
HPE-295;		
<b>TOTAL CURRENT CREDITS:</b>		110
<b>TOTAL PROPOSED CREDITS:</b>		
<b>College Contact</b>		<b>Telephone No.</b>
<b>E-Mail Address</b>		<b>Fax No.</b>
<b>Chief Academic Officer or CTE Dean Signature</b>		<b>Date</b> 12/16/20



## COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

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

<b>College:</b>	Clackamas Community College	<b>Date:</b>	
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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 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<i>APPROVED</i> Recognition Award	Current Credits
	<i>6-digit CIP</i>	<i>7<sup>th</sup> digit</i>	<i>8<sup>th</sup> digit</i>		
<b>AS Area of Emphasis Title: Engineering – Industrial/Manufacturing</b> AS.OSUINDMFGENG				<b>Associate of Applied Science Area of Emphasis</b>	<b>92-93</b>
<b>Partnering Institution Name Oregon State University</b>					

Last amendment approved on 02.07.20


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"/> <i>SUSPENSION</i> of Program	<i>Reason for Suspension:</i>	
<b>Suspension Effective Date:</b>		



## 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.]

<b>CURRENT CURRICULUM 20-21</b> [List entire curriculum as last approved]				<b>PROPOSED CURRICULUM 21-22</b> [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Program Requirements – First Year</b>							
<b>Fall Term</b>							
COMM-111	Public Speaking	44	4				
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
WR-121	English Composition	44	4				
<b>Winter Term</b>							
CH-221	General Chemistry	77	5				
ENGR-112	Engineering Programming	33	3				
MTH-252	Calculus II	55	5				
<b>Spring Term</b>							
CH-222	General Chemistry	77	5				
ENGR-115	Engineering Graphics	33	3				
MTH-254	Vector Calculus	55	5				
WR-227	Technical Report Writing	44	4				
<b>Summer Term</b>							
MTH-256	Differential Equations	44	4				
--	Social Processes elective		4				
<b>Program Requirements – Second Year</b>							
<b>Fall Term</b>							
ENGR-211	Statics	44	4				
PH-211	General Physics with Calculus	70	5				
--	Western Culture elective		4				
<b>Winter Term</b>							
ENGR-212	Dynamics	44	4				
PH-212	General Physics with Calculus	70	5				
--	Literature and the Arts Elective		3-4				
<b>Spring Term</b>							
ENGR-201	Electrical Fundamentals	66	4				
ENGR-213	Strength of Materials	44	4				
PH-213	General Physics with Calculus	70	5				
<b>Social Processes Elective</b>							
ANT-103; EC-201, 202; HST-101, 102, 103; PS-201, 204, 205, 225; PSY-110, 200, 205, 219, 231; SOC-204, 205, 206;							
<b>Western Culture Elective</b>							
ART-204, 205, 206; ENG-107, 108, 109, 201, 202, 204, 205, 250, 251, 253, 254, 255; GEO-208; HST-101, 102, 103, 132, 201, 202, 203; PHL-102; R-204;							
<b>Literature and the Arts Elective</b>							
ART-101, 204, 205, 206; DMC-194; ENG-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 241, 250, 251, 252, 253, 254, 255, 260, 270; MUS-105, 205, 206;				REMOVE DMC-194			

<b>Optional:</b> While not required for the A.S. degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State University. The Bachelor of Science degree requires the completion of one course from each category below.		
<b>Cultural Diversity Elective</b>		
ANT-231, 232; ENG-213, 252; R-101, 102, 103, 210;		
<b>Difference, Power, and Discrimination Elective</b>		
HST-201, 202, 203; SOC-225;		
<b>Biological Science Elective</b>		
BI-101, 102, 103, 175, 176, 177, 204, 211, 212, 213, 234; ESR-171, 172, 173; Z-201, 202, 203;		
<b>Physical Education Elective</b>		
HPE-295;		
<b>TOTAL CURRENT CREDITS:</b>	92-93	<b>TOTAL PROPOSED CREDITS:</b>
<b>College Contact</b>	Eric Lee	<b>Telephone No.</b> X6163
<b>E-Mail Address</b>		<b>Fax No.</b>
<b>Chief Academic Officer or CTE Dean Signature</b>		<b>Date</b> 12/16/20



## COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

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

<b>College:</b>	Clackamas Community College	<b>Date:</b>	
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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 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<i>APPROVED</i> Recognition Award	Current Credits
	<i>6-digit CIP</i>	<i>7<sup>th</sup> digit</i>	<i>8<sup>th</sup> digit</i>		
<b>AS Area of Emphasis Title:</b> <b>Engineering – Mechanical Engineering</b> AS.OSUSMECHENGR				<b>Associate of Applied Science Area of Emphasis</b>	<b>96-97</b>
<b>Partnering Institution Name</b> <b>Oregon State University</b>					


Last amendment approved on 02.07.20

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"/> <i>SUSPENSION</i> of Program	<i>Reason for Suspension:</i>	
<b>Suspension Effective Date:</b>		

## 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 20-21 [List entire curriculum as last approved]								PROPOSED CURRICULUM 21-22 [List only course(s) to be amended]							
Course		Title		Hours		Credits		Course		Title		Hours		Credits	
<b>Program Requirements – First Year</b>															
<b>Fall Term</b>															
COMM-111		Public Speaking		44		4									
ENGR-111		Introduction to Engineering		33		3									
MTH-251		Calculus I		55		5									
WR-121		English Composition		44		4									
<b>Winter Term</b>															
CH-221		General Chemistry		77		5									
EC-201 Or EC-202		Principles of Economics: MICRO or Principles of Economics: MACRO		44		4									
ENGR-112		Engineering Programming		33		3									
MTH-252		Calculus II		55		5									
<b>Spring Term</b>															
CH-222		General Chemistry		77		5									
ENGR-115		Engineering Graphics		33		3									
MTH-254		Vector Calculus		55		5									
WR-227		Technical Report Writing		44		4									
<b>Summer Term</b>															
MTH-256		Differential Equations		44		4									
<b>Program Requirements – Second Year</b>															
<b>Fall Term</b>															
ENGR-211		Statics		44		4									
ENGR-221		Electrical Circuit Analysis I		33		4									
PH-211		General Physics with Calculus		70		5									
--		Western Culture elective				4									
<b>Winter Term</b>															
ENGR-212		Dynamics		44		4									
ENGR-222		Electrical Circuit Analysis II		66		4									
PH-212		General Physics with Calculus		70		5									
<b>Spring Term</b>															
ENGR-213		Strength of Materials		44		4									
PH-213		General Physics with Calculus		70		5									
--		Literature and the Arts Elective				3-4									
<b>Western Culture Elective</b>															
<b>ART-204, 205, 206;</b> <b>ENG-107, 108, 109, 201, 202, 204, 205, 250, 251, 253, 254, 255;</b> <b>GEO-208;</b> <b>HST-101, 102, 103, 132, 201, 202, 203;</b> <b>PHL-102;</b> <b>R-204;</b>															
<b>Literature and the Arts Elective</b>															
<b>ART-101, 204, 205, 206;</b> <b>DMC-194;</b> <b>ENG-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205,</b> <b>213, 241, 250, 251, 252, 253, 254, 255, 260, 270;</b> <b>MUS-105, 205, 206;</b>								REMOVE DMC-194							
<b>Optional:</b> While not required for the A.S. degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State															

University. The Bachelor of Science degree requires the completion of one course from each category below.			
<b>Cultural Diversity Elective</b>			
ANT-231, 232; ENG-213, 252; R-101, 102, 103, 210;			
<b>Difference, Power, and Discrimination Elective</b>			
HST-201, 202, 203; SOC-225;			
<b>Biological Science Elective</b>			
BI-101, 102, 103, 175, 176, 177, 204, 211, 212, 213, 234; ESR-171, 172, 173; Z-201, 202, 203;			
<b>Physical Education Elective</b>			
HPE-295;			
<b>TOTAL CURRENT CREDITS:</b>		96-97	<b>TOTAL PROPOSED CREDITS:</b>
<b>College Contact</b>	Eric Lee	<b>Telephone No.</b>	X6163
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or CTE Dean Signature</b>			<b>Date</b> 12/16/20



## COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

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

<b>College:</b>	Clackamas Community College	<b>Date:</b>	
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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 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<i>APPROVED</i> Recognition Award	Current Credits
	<i>6-digit CIP</i>	<i>7<sup>th</sup> digit</i>	<i>8<sup>th</sup> digit</i>		
<b>AS Area of Emphasis Title:</b> <b>Music</b> AS.PSUMUSIC				<b>Associate of Applied Science Area of Emphasis</b>	<b>100-107</b>
<b>Partnering Institution Name</b> <b>Portland State University</b>					

Last amendment approved on 1/24/20

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



Or MUP-171J- 191J	Individual Lessons/Jazz						
MUS-113	Music Theory I	33	3				
MUS-113L	Music Notation Software I	22	1				
MUS-116	Aural Skills I	22	2				
MUS-129	Keyboard Skills I	22	2				
MUS-189	Performance & Repertoire	10	1				
WR-122	English Composition	44	4				
Program Requirements – Second Year							
Fall Term							
MUP-202 Or MUP-205 or MUP-222 or MUP-241	Wind Ensemble or Jazz Ensemble or Chamber Choir or College Orchestra	44-55	1-2				
*MUP-271- 291 Or MUP-271J- 291J	Individual Lessons or Individual Lessons/Jazz	20	2				
MUS-189	Performance & Repertoire	10	1				
MUS-211	Music Theory II	33	3				
MUS-214	Keyboard Skills II	22	2				
MUS-224	Aural Skills II	22	2				--
--	Arts & Letters General Education elective		4				
Winter Term							
MUP-202 Or MUP-205 or MUP-222 or MUP-241	Wind Ensemble or Jazz Ensemble or Chamber Choir or College Orchestra	44-55	1-2				
*MUP-271- 291 Or MUP-271J- 291J	Individual Lessons or Individual Lessons/Jazz	20	2				
MUS-189	Performance & Repertoire	10	1				
MUS-212	Music Theory II	33	3				
MUS-215	Keyboard Skills II	22	2				
MUS-225	Aural Skills II	22	2				
--	Social Science General Education elective		4				
--	Science/Math/Computer Science General Education elective		3				
Spring Term							
MUP-202 Or MUP-205 or MUP-222 or MUP-241	Wind Ensemble or Jazz Ensemble or Chamber Choir or College Orchestra	44-55	1-2				
*MUP-271- 291 Or MUP-271J- 291J	Individual Lessons or Individual Lessons/Jazz	20	2				
MUS-189	Performance & Repertoire	10	1				



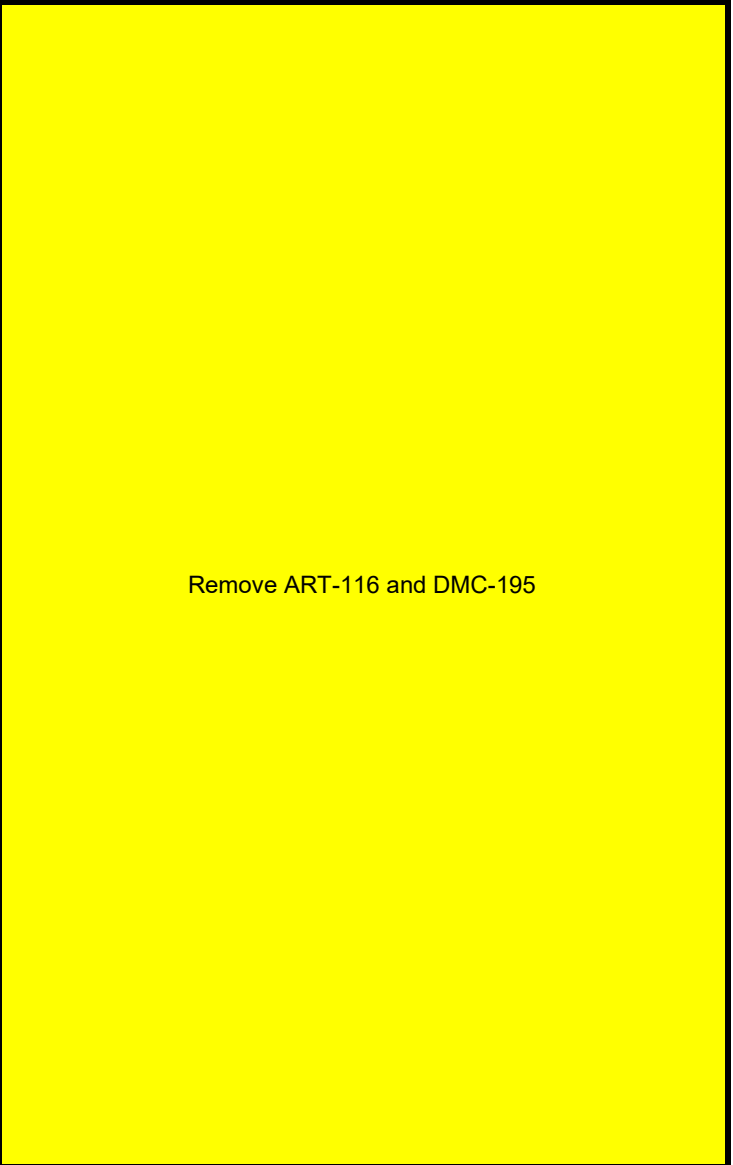
MUS-213	Music Theory II	33	3				
MUS-216	Keyboard Skills II	22	2				
MUS-226	Aural Skills II	22	2				
--	Arts & Letters General Education elective		4				
--	Science/Math/Computer Science General Education elective		4				

**Catalog Notes**

\*Lessons must be in same instrument discipline, but may be in different styles.  
 Note: For students pursuing a jazz degree, MUP-104 Jazz Combo may be substituted for MUS-189.

**Arts & Letters, Social Science, or Science/Math/Computer Science General Education Electives**

**Arts & Letters**  
**ART**-101, 115, 116, 117, 131, 204, 205, 206, 225, 226, 227, 250, 251, 252, 253, 254, 255, 281, 282, 283, 284, 285, 286, 291, 292, 293;  
**ASL**-201, 202, 203;  
**BA**-130;  
**COMM**-126, 140, 212, 218, 219, 227;  
**DMC**-195;  
**ENG**-104, 105, 106, 107, 108, 109, 116, 121, 130, 195, 201, 202, 204, 205, 213, 218, 226, 240, 241, 250, 251, 252, 253, 254, 266, 270;  
**FR**-201, 202, 203, 211;  
**GER**-201, 202, 203;  
**HUM**-160, 235, 240, 241, 242;  
**J**-211;  
**MUS**-105, 111, 112, 113, 205, 206, 211, 212, 213;  
**PHL**-101, 102, 103, 205, 210;  
**SPN**-201, 202, 203;  
**TA**-101, 102, 103, 141, 142, 143;  
**WR**-220, 241, 242, 243, 244, 245, 248, 262, 263, 265, 270;  
**Social Science**  
**ANT**-101, 102, 103, 231, 232;  
**CJA**-101;  
**EC**-200, 201, 202;  
**GEO**-100, 110, 130, 208;  
**HST**-101, 102, 103, 130, 131, 132, 136, 137, 138, 201, 202, 203;  
**PS**-200, 201, 203, 204, 205, 225, 297;  
**PSY**-200, 205, 215, 219, 231;  
**SOC**-204, 205, 206, 210, 225;  
**SSC**-160, 235, 240, 241, 242;  
**WS**-101;  
**Science/Math/Computer Science**  
**ASC**-175, 176, 177;  
**BI**-101, 102, 103, 112, 160, 160L, 165C, 165CL, 165D, 175, 176, 177, 204, 211, 212, 213, 231, 232, 233, 234;  
**CH**-104, 105, 106, 112, 114, 221, 222, 223;  
**ESR**-171, 172, 173;  
**G**-101, 102, 103, 145, 148, 201, 202, 203;  
**GS**-104, 105, 106, 107;  
**MTH**-211, 212, 213, 243, 244, 252\*, 253, 254, 256, 261;  
**PH**-121, 122, 123, 201, 202, 203, 211, 212, 213;  
**Z**-201, 202, 203;



\*MTH-252 may be used as an elective requirement in this category if it has not already used for the mathematics requirement in this AS degree.

**TOTAL CURRENT CREDITS:** 100-107 **TOTAL PROPOSED CREDITS:**

**College Contact** \_\_\_\_\_ **Telephone No.** \_\_\_\_\_

**E-Mail Address** \_\_\_\_\_ **Fax No.** \_\_\_\_\_

**Chief Academic Officer or CTE Dean Signature**  **Date** 12/16/20



## 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>

<b>College:</b>	<b>Clackamas Community College</b>	<b>Date</b>	
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### CAREER LEARNING AREA

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

### PROGRAM INFORMATION

<u>APPROVED</u> Program Title	<u>APPROVED</u> CIP Code (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)			<u>APPROVED</u> Recognition Award	Current Credits
<i>(For Official Program Title, refer to your directory at <a href="http://www.ode.state.or.us/search/results/?id=232">http://www.ode.state.or.us/search/results/?id=232</a>)</i>	6-digit CIP	7 <sup>th</sup> digit	8 <sup>th</sup> digit		
	<b>AAS Title:</b> <b>Digital Media Communications</b> AAS.DMC1	<b>9.0702</b>			<input checked="" type="checkbox"/> <b>AAS</b> <b>(90-108 credits)</b>
<b>Option Title**</b>				<input type="checkbox"/> <b>OPTION to AAS</b> <b>Degree</b>	
<b>Related Certificates:</b> Entry Level Journalist Career Pathway Video Production Technician Career Pathway				<input type="checkbox"/> <b>Certificate of</b> <b>Completion</b>	

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

LAST AMENDMENT APPROVED ON 5/3/19

### TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

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

++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 20-21

[List entire curriculum as last approved]


### PROPOSED CURRICULUM 21-22

[List only course(s) to be amended]

Course	Course Title	Hours	Credits	Course	Course Title	Hours	Credits
Associate of Applied Science Degree: 1 <sup>st</sup> Year							
Fall Term							
ART-115	Basic Design: 2-Dimensional Design	66	4				
ART-262	Digital Photography & Photo-Imaging	66	3				
DMC-100	Introduction to Media Arts	33	3				
<b>WR-121</b>	<b>English Composition</b>	<b>44</b>	<b>4</b>				
--	<b>PE/Health/Safety/First Aid requirement</b>		<b>1</b>				
Winter Term							
<b>COMM-100 Or PSY-101</b>	<b>Basic Speech Communication or Human Relations</b>	<b>33</b>	<b>3</b>				
DMC-104	Digital Video Editing	66	4				
<b>MTH-065 or MTH-050 or higher or CS-161</b>	<b>Algebra II or Technical Mathematics I or higher or Computer Science I</b>	<b>44</b>	<b>4</b>				
--	Digital Media Communications program electives		4				
Spring Term							
J-211 Or COMM-212	Mass Media & Society or Mass Media & Society	44	4				
--	Focus Area courses		4-8				
--	Digital Media Communications program electives		8				
Digital Media Communications Associate of Applied Science Degree: 2 <sup>nd</sup> Year							
Fall Term							
MUS-247 Or DMC-247	Sound for Media Or Sound for Media	33	3				
--	Focus Area courses		8-10				
--	Digital Media Communications program electives		4				
Winter Term							

DMC-291	Digital Media Communications Portfolio Project I	66	3				
--	Focus Area courses		13-15				
Spring Term							
BA-101	Introduction to Business	44	4				
DMC-280	Digital Media Communications/CWE	108	3				
DMC-292	Digital Media Communications Portfolio Project II	66	3				
--	Focus Area course		4				
Additional Courses from Focus Area							
Complete all courses from one of the following Focus Areas							
Motion Graphics & Computer Animation							
ART-131	Introduction to Drawing	66	4				
ART-225	Computer Graphics I	66	3				
ART-226	Computer Graphics II	66	3				
DMC-106	Animation & Motion Graphics I	66	3				
DMC-107	Animation & Motion Graphics II	66	3				
DMC-221	Introduction to 2D Animation: Design & Techniques	66	3				
DMC-222	Advanced 2D Animation: Design & Techniques	66	3				
MUS-171	Sound Design	22	2				
WR-265	Digital Storytelling	44	4				
Journalism							
ART-120 Or MUS-171	Creativity/Ideation Or Sound Design	22-33	2				
ART-225	Computer Graphics I	66	3				
J-134	Photojournalism	44	4				
J-215	College Newspaper: Writing & Photography	33	3				
J-216	Writing for Media	44	4				
J-220 Or DMC-230	Pod, Broad and Social - Journalism Across Platforms Or Documentary Film Production	55-66	4				
J-226	Introduction to College Newspaper: Design & Production	44	4				
WR-240 Or WR-265	Introduction to Creative Writing: Nonfiction Or Digital Storytelling	44	4				
Video Production							
ART-120	Creativity/Ideation	22-33	2				

Or MUS-171	Or Sound Design						
DMC-106	Animation & Motion Graphics I	66	3				
DMC-205	Directing for Film & Video	66	3				
DMC-230	Documentary Film Production	66	4				
DMC-264	Digital Filmmaking	66	4				
DMC-265	Advanced Digital Filmmaking	66	4				
ENG-194 Or DMC-194	Introduction to Film or Introduction to Film	44	4	REMOVE DMC-194			
WR-262	Introduction to Screenwriting	44	4				
Music & Sound for Media							
DMC-242	Field Recording for Media	10	1				
MUS-101	Music Fundamentals	33	3				
MUS-106 Or MUS-149	Audio Recording at Home Or Advanced Pro Tools Editing Techniques	10-11	1				
MUS-107	Introduction to Audio Recording I	33	3				
MUS-108	Introduction to Audio Recording II	33	3				
MUS-141	Introduction to the Music Business	33	3				
MUS-142	Introduction to Electronic Music I: MIDI	33	3				
MUS-143	Introduction to Electronic Music II: Sequencing, Audio Looping, Sound EFX	33	3				
MUS-145	Introduction to Digital Sound, Video & Animation	33	3				
MUS-147	Music, Sound & Moviemaking	11	1				
MUS-170	Introduction to Scoring Music for Media	22	2				
MUS-171	Sound Design	22	2				
DMC Program Electives							
Additional selected electives must be from different subject areas, from the following list of prefixes: ART, BA, COMM, CS, DMC, ENG, J, MUS, TA, or WR.				Additional selected electives must be from different subject areas, from the following list of prefixes: ART, BA, COMM, CS, DMC, ENG, <b>FYE</b> , J, MUS, TA, or WR.			
<b>TOTAL CURRENT CREDITS:</b>			90	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Nora Brodnicki	<b>Telephone No.</b>	
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>		<b>Date</b>	12/16/20



## COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

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

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

<b>College:</b>	Clackamas Community College	<b>Date</b>	
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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	<u>APPROVED</u> CIP Code (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)			<u>APPROVED</u> Recognition Award	Current Credits
(For Official Program Title, refer to your directory at <a href="http://www.ode.state.or.us/search/results/?id=232">http://www.ode.state.or.us/search/results/?id=232</a> )	6-digit CIP	7 <sup>th</sup> digit	8 <sup>th</sup> digit		
	<b>AAS Title:</b> <b>Music Performance &amp; Technology</b> AAS.MUSICPERFTECH	50.0913			<input checked="" type="checkbox"/> <b>AAS</b> (90-108 credits)
<b>Option Title**</b>				<input type="checkbox"/> <i>OPTION</i> to AAS Degree	
<b>Certificate Title:</b> <u>Within</u> AAS Degree? <input type="checkbox"/> Yes** <input type="checkbox"/> No				<input type="checkbox"/> Certificate of Completion	

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

Last amendment approved on 03.01.19

### TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

<input type="checkbox"/> <b>New Program++</b>	<input type="checkbox"/> <b>Curriculum Revision</b>	<input checked="" type="checkbox"/> <b>Revision in Program Credits</b>
<input type="checkbox"/> <b>Title Change for Program</b>		<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"/> <b>SUSPENSION</b> of Program	<i>Reason for Suspension:</i>	
<b>Suspension Effective Date:</b>	<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 20-21

[List entire curriculum as last approved]

### PROPOSED CURRICULUM 21-22

[List only course(s) to be amended]

Course	Title	Hours	Credits	Course	Title	Hours	Credits
Music Performance & Technology Associate of Applied Science: 1 <sup>st</sup> Year							
Fall Term							
MUP-150	Contemporary Music Ensemble	22	1				
*MUP-171-191 Or MUP-171J-191J Or MUP-171R-191R	Individual Lessons Or Ind Lessons/Jazz Or Ind Lessons/Rock	20	2				
MUS-101	Music Fundamentals	33	3				
MUS-107	Introduction to Audio Recording I	33	3				
MUS-111L	Music Notation Software I	22	1				
MUS-131	Group Piano: Piano for Pleasure	22	1				
MUS-148	Live Sound Engineering	33	3				
Winter Term							
MUP-150	Contemporary Music Ensemble	22	1				
*MUP-171-191 Or MUP-171J-191J Or MUP-171R-191R	Individual Lessons Or Ind Lessons/Jazz Or Ind Lessons/Rock	20	2				
MUS-102	Music Fundamentals	33	3				
MUS-108	Introduction to Audio Recording II	33	3				
MUS-112L	Music Notation Software I	22	1				
MUS-132	Group Piano: Piano for Pleasure	22	1				
MUS-140	Careers in Music	33	3				
MUS-160	Songwriting I	22	2				
Spring Term							
<b>MTH-050 Or MTH-065 Or higher</b>	<b>Technical Mathematics I or Algebra II or higher</b>	<b>44</b>	<b>4-5</b>				
MUP-150	Contemporary Music Ensemble	22	1				
*MUP-171-191 Or MUP-171J-191J Or	Individual Lessons Or Ind Lessons/Jazz Or	20	2				



MUP-171R-191R	Ind Lessons/Rock						
MUS-109	Introduction to Audio Recording III	33	3				
MUS-113L	Music Notation Software I	22	1				
MUS-133	Group Piano: Piano for Pleasure	22	1				
MUS-161	Songwriting II	22	2				
--	<b>PE/Health/Safety/First Aid requirement</b>		<b>1</b>				
Music Performance & Technology Associate of Applied Science: 2 <sup>nd</sup> Year							
Fall Term							
<b>COMM-100</b>	<b>Basic Speech Communication</b>	<b>33</b>	<b>3</b>				
MUP-150	Contemporary Music Ensemble	22	1				
*MUP-271-291 Or MUP-271J-291J Or MUP-271R-291R	Individual Lessons Or Ind Lessons/Jazz Or Ind Lessons/Rock	20	2				
MUS-111	Music Theory I	33	3				
MUS-141	Introduction to the Music Business	33	3				
MUS-142	Introduction to Electronic Music I: MIDI	33	3				
MUS-218	MPT Seminar I	22	1				
Winter Term							
MUP-150	Contemporary Music Ensemble	22	1				
*MUP-271-291 Or MUP-271J-291J Or MUP-271R-291R	Individual Lessons Or Ind Lessons/Jazz Or Ind Lessons/Rock	20	2				
MUS-112	Music Theory I	33	3				
MUS-143	Introduction to Electronic Music II: Sequencing, Audio Looping, Sound EFX	33	3				
MUS-219	MPT Seminar II	22	1				
<b>WR-101 Or WR-121</b>	<b>Communication Skills: Occupational Writing or English Composition</b>	<b>33-44</b>	<b>3-4</b>				
--	Music Business Skills elective		3-4				
Spring Term							

MUP-150	Contemporary Music Ensemble	22	1				
*MUP-271-291 Or MUP-271J-291J Or MUP-271R-291R	Individual Lessons Or Ind Lessons/Jazz Or Ind Lessons/Rock	20	2				
MUS-113	Music Theory I	33	3				
MUS-144	Introduction to Electronic Music III: Digital Audio	33	3				
MUS-170	Introduction to Scoring Music for Media	22	2				
MUS-220	MPT Seminar III	22	1				
MUS-280	Music/CWE	72	2				
--	Music Performance & Technology program elective		1-3				

#### Catalog Notes

\*Lessons must be in same instrument discipline, but may be in different styles.

#### Music Business Skills Electives

BA-101	Introduction to Business	44	4				
BA-104	Business Math	33	3				
BA-111	General Accounting I	33	3				
BA-112	General Accounting II	33	3				
BA-131	Introduction to Business Computing	44	4				
BA-223	Principles of Marketing	44	4				
BA-238	Sales	44	4				
BA-239	Advertising	44	4				
BA-250	Small Business Management	33	3				

#### Music & Performance & Technology Program Electives

ART-116	Basic Design: Color Theory & Composition	66	4	REMOVE			
ART-161	Photography I	66	3				
ART-162	Photography II	66	3				
ART-261	Photography III	66	3				
ART-225	Computer Graphics I	66	3				
ART-226	Computer Graphics II	66	3				
ART-227	Computer Graphics III	66	3				
ART-262	Digital Photography & Photo-Imaging	66	3				
BA-101	Introduction to Business	44	4				
BA-104	Business Math	33	3				
BA-111	General Accounting I	33	3				

BA-112	General Accounting II	33	3				
BA-119	Project Management Practices	22	2				
BA-120	Project Management Fundamentals	44	4				
BA-122	Teamwork	33	3				
BA-124	Negotiation	33	3				
BA-131	Introduction to Business Computing	44	4				
BA-223	Principles of Marketing	44	4				
BA-238	Sales	44	4				
BA-239	Advertising	44	4				
COMM-112	Persuasive Speaking	44	4				
CS-120	Survey of Computing	55	4				
DMC-104	Digital Video Editing	66	4				
DMC-106	Animation & Motion Graphics I	66	3				
DMC-147	Music, Sound & Moviemaking	11	1				
DMC-247	Sound for Media	33	3				
J-134	Photojournalism	44	4				
MUP-102	Wind Ensemble	44	2				
MUP-104	Pep Band/Combo-Improv	22	1				
MUP-105	Jazz Ensemble	44	2				
MUP-122	Chamber Choir	55	2				
MUP-125	Vocal Jazz Ensemble: Mainstream	55	2				
MUP-141	College Orchestra	22	1				
MUP-158	Chamber Ensemble	22	1				
MUP-202	Wind Ensemble	44	2				
MUP-204	Pep Band/Combo-Improv	22	1				
MUP-205	Jazz Ensemble	44	2				
MUP-222	Chamber Choir	55	2				
MUP-225	Vocal Jazz Ensemble: Mainstream	55	2				
MUP-241	College Orchestra	22	1				
MUP-258	Chamber Ensemble	22	1				
MUS-103	Music Fundamentals	33	3				
MUS-111	Music Theory I	33	3				
MUS-134	Group Voice: Anyone Can Sing	22	1				
MUS-137	Group Guitar I: Guitar for Dummies	22	1				
MUS-138	Group Guitar II	22	1				
MUS-145	Introduction to Digital Sound, Video & Animation	33	3				
MUS-205	Music Literature: History of Jazz	44	4				

MUS-206	Music Literature: History of Rock	44	4				
MUS-211	Music Theory II	33	3				
MUS-230	Music and Media: Sex, Drugs, Rock & Roll	44	4				
MUS-247	Sound for Media	33	3				
PSY-101	Human Relations	33	3				
TA-111	Fundamentals of Technical Theatre	66	4				
TA-112	Fundamentals of Technical Theatre	66	4				
TA-113	Fundamentals of Technical Theatre	66	4				
TA-141	Acting I	44	4				
TA-142	Acting II	44	4				
TA-143	Acting III	44	4				
TA-211	Technical Theatre Study	66	4				
WR-240	Introduction to Creative Writing: Nonfiction	44	4				
WR-241	Introduction to Creative Writing: Fiction	44	4				
WR-242	Poetry Writing I	44	4				
<b>TOTAL CURRENT CREDITS:</b>			92-97	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Kathleen Hollingsworth	<b>Telephone No.</b>	6299
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>			<b>Date</b> 12/16/20

EFA	Implementation
EFA, Teaching & Education	2021/SU



## COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

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<b>College:</b>	Clackamas Community College	<b>Date</b>	
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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 <a href="http://www.ode.state.or.us/search/results/?id=232">http://www.ode.state.or.us/search/results/?id=232</a>)</small>	<u>APPROVED</u> CIP Code <small>(Include 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			<u>APPROVED</u> Recognition Award	Current Credits
	<u>6-digit CIP</u>	<u>7<sup>th</sup> digit</u>	<u>8<sup>th</sup> digit</u>		
<b>AAS Title:</b>				<input type="checkbox"/> Associate of Applied Science (AAS) Degree	
<b>Option Title**</b>				<input type="checkbox"/> OPTION to AAS Degree	
<b>EFA, Teaching &amp; Education</b> EFA.TEACHEDUC				<input checked="" type="checkbox"/> EFA	<b>17</b>

### TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

<input type="checkbox"/> New Program++	<input type="checkbox"/> Curriculum Revision	<input checked="" type="checkbox"/> Revision in Program Credits
<input type="checkbox"/> Title Change for Program		<i>Proposed Total Credits:</i> _____
<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>	
<b>Suspension Effective Date:</b>		

++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.]

<b><i>CURRENT CURRICULUM 20-21</i></b> [List entire curriculum as last approved]				<b><i>PROPOSED CURRICULUM 21-22</i></b> [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
ED-100	Introduction to Education		4	REMOVE			
FYE-101	First Year Experience Level I		2				
HPE-295	Health & Fitness for Life		3				
MTH-065 Or MTH-211	Algebra II Or Fundamentals of Elementary Math I		4	MTH-065 Or MTH-211 Or MTH-212 Or MTH-213	Algebra II Or Fundamentals of Elementary Math I Or Fundamentals of Elementary Math II Or Fundamentals of Elementary Math III		4
WR-121	English Composition		4				
				ED-216	Foundations of Teaching & Education		4
<b>TOTAL CURRENT CREDITS:</b>			17	<b>TOTAL PROPOSED CREDITS:</b>			

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