

	<b>Presenter</b>	<b>Action</b>
<b>1. Welcome and Introductions</b>	<b>Chair</b>	
<b>2. Approval of Minutes</b>	<b>Chair</b>	Approval
<b>3. Consent Agenda</b> a. Course Number Changes b. Course Title Change c. Reviewed Outlines for Approval	<b>Chair</b>	Approval
<b>4. Course and Program Approvals</b> a. <b>Common Course Numbering (CCN) Courses</b> a. COMM-100Z, COMM-111Z, COMM-218Z, MTH-105Z, MTH-111Z, MTH-112Z, STAT-243Z, WR-121Z, WR-122Z, WR-227Z b. <b>CCN Programs with Credit Changes</b> a. AS, Geology, PSU, AS, Horticulture, OSU, Digital Media Communications AAS, EFA, Science, Technology, Engineering & Mathematics (STEM), EFA, Social Sciences, Human Services & Criminal Justice, Electronics Engineering Technology AAS, Electronics Engineering Technology CC, Entry Level Journalist CC, Horticulture AAS, Horticulture CC, Landscape Management AAS, Landscape Management AAS, Arboriculture Option, Music Performance & Technology AAS, Music Technology CC, Organic Farming CC, Part Time Welding CC, Video Production Technician CC c. <b>CCN Programs without Credit Changes</b> a. See agenda packet	<b>Curriculum Office</b>  <b>Curriculum Office</b>  <b>Curriculum Office</b>	Approval/23.SU  Approval/23.SU  Approval/23.SU
<b>5. Old Business</b> a. Transition Team Update	<b>Kerrie Hughes</b>	Discussion
<b>6. New Business</b> a. Computer Science Placement Exam	<b>Bev Forney</b>	Discussion
<b>7. Closing Comments</b> a.		

**Present:** Hillary Abbott, Nora Brodnicki, Armetta Burney, Rick Carino, Elizabeth Carney, Amanda Coffey, Megan Feagles (Recorder), Bev Forney, Sharron Furno, Sue Goff, Dawn Hendricks, Kerrie Hughes (Chair), Jason Kovac, Eric Lee, Kara Leonard, Laura Lundborg, Patricia McFarland, David Plotkin, Lisa Reynolds, Terrie Sanne, Charles Siegfried, Casey Sims, Tara Sprehe, Sarah Steidl, Dru Urbassik, Helen Wand, Jim Wentworth-Plato (Alternate Chair)

**Guests:** Virginia Chambers, Dan LoFaro, John Phelps

**Absent:** ASG, Dustin Bare, George Burgess, Mike Mattson, Tracy Nelson, Andrea Vergun

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**1. Welcome & Introductions**

**2. Approval of Minutes**

- a. Approval of the November 18, 2022 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. Course Inactivations**

i. **SAR-103, 201, 202, 203**

1. **Dan LoFaro presented**

2. These courses are no longer part of any program within the department (or the college as a whole) and have not been offered for quite some time.

3. XSAR-C201, XSAR-C202, and SAR-102 are scheduled for inactivation in 2023 already.

*Motion to approve, approved*

**b. Phlebotomy**

Virginia Chambers presented

i. **New Courses:** PHB-110, 112, 115, 125, 130

ii. Created for the new Phlebotomy Certificate

*Motion to approve, approved*

iii. **New Program:** Phlebotomy CC

1. Inactivated the Clinical Lab/Phlebotomy program in the last few years, but industry feedback has indicated that there was a need for a Phlebotomy program.

2. Is the program set up to be transferred to PCC?

a. Not yet. Focused right now internally on making this a pathway to Medical Assistant.

3. What are the criteria for admission into the program?

a. Criminal background check, drug screen, required orientation and information session.

b. Planning to do a small cohort for the first year.

*Motion to approve, approved*

**c. New Program: Part Time Welding Certificate**

i. John Phelps presented

ii. 6-month program designed for part-time students.

iii. Communicated with COMM-100 instructors who are willing to offer the course to fit into the part time welding schedule.

iv. There was concern that the program title implies that the certificate leads to part-time welding jobs. It was suggested that the title could be Accelerated Welding Certificate.

1. John will take that feedback to his department

v. How is this different from Entry-Level Welder? This one includes training in all three welding processes. Entry-Level Welding only touches on two of the three.

*Motion to approve, approved*

d. **AS Engineering Changes**

Eric Lee presented

i. **Program Suspensions**

1. AS, Energy Systems Engineering, OSU
  - a. Lack of interest from students. Trying to reduce the many options in engineering to a more manageable number.
  - b. No students have completed this program in the last 8 or 9 years.

*Motion to approve, approved*

2. AS, Engineering, George Fox
  - a. Lack of interest from students. Trying to reduce the many options in engineering to a more manageable number.

*Motion to approve, approved*

ii. **Program Amendments**

1. AS, Biological Engineering, OSU
  - a. Change from 107 to 105-106. Remove MTH-253, Add Literature and the Arts electives.

*Motion to approve, approved*

2. AS, Civil Engineering, OSU
  - a. Change from 97 to 100-101. Remove ENGR-201. Add CS-161, Literature and the Arts electives

*Motion to approve, approved*

3. AS, Civil Engineering, PSU
  - a. Add note about optional Race and Ethnicity Electives. The courses are optional/recommended since this elective category is not yet required at Oregon State.
  - b. ES courses haven't been approved at CCC as Gen Ed yet.

**No vote, not approved. Hold this amendment until those courses have been approved.**

4. AS, Computer Engineering, PSU
  - a. Add note about optional Race and Ethnicity Electives.

**No vote, not approved. Hold this amendment until those courses have been approved.**

5. AS, Construction Engineering Management, OSU
  - a. Change from 91-93 to 95-97. Add CS-161

*Motion to approve, approved*

6. AS, Ecological Engineering, OSU
  - a. Remove BI-211, BI-212, BI-213, Western Culture Elective. Add CS-161, HPE-295, PHL-102, Cultural Diversity Elective, Difference, Power, and Discrimination Elective

*Motion to approve, approved*

7. AS, Electrical Engineering, PSU
  - a. Add note about optional Race and Ethnicity Electives.

**No vote, not approved. Hold this amendment until those courses have been approved.**

8. AS, Environmental Engineering, OSU
  - a. Change from 110 to 106-107. Remove CH-241, CH-242, CH-243. Add BI-204, Cultural Diversity Elective, Literature and the Arts Elective

*Motion to approve, approved*

9. AS, Environmental Engineering, PSU
  - a. Add note about optional Race and Ethnicity Electives.

**No vote, not approved. Hold this amendment until those courses have been approved.**

10. AS, Industrial/Manufacturing Engineering, OSU
  - a. Change from 92-93 to 99-100. Add CS-161, HPE-295

*Motion to approve, approved*

11. AS, Mechanical Engineering, OSU
  - a. Change from 96-97 to 100-101. Add CS-161

*Motion to approve, approved*

12. AS, Mechanical Engineering, PSU
  - a. Remove Arts & Letters or Social Science Elective. Add WR-122 or WR-227. Add note about optional Race and Ethnicity Electives.

**No vote, not approved. Hold this amendment until those courses have been approved.**

- b. Has the department talked about adding FYE-101 as a requirement?

- i. Most of these programs are already at 100 credits so they are hesitant to increase any more. The Common Course Numbering work may allow for room to add FYE-101.
    - ii. ENGR-111 contains some FYE elements. About 1/3 of the class focuses on student success.
    - c. ES courses haven't been approved at CCC as Gen Ed yet.
  - iii. **New Program**
    - 1. AS, Architectural Engineering, OSU
      - a. OSU added this program a few years back and there has been interest from CCC students.
      - b. No new courses needed.

*Motion to approve, approved*

**5. Old Business**

- a. Reminder that there's a drop-in session on December 8<sup>th</sup> for the new Curriculum Management software.

**6. New Business**

- a.

**7. Closing Comments**

- a.

*-Meeting Adjourned-*

**Next Meeting: January 20, 2023 (8-9:30am)**

### 1. Course Title Change

Course	Current Title	Proposed Title

### 2. Course Number Change

Course	Title	Proposed Course Number

### 3. Outlines Reviewed for Approval

Course	Title	Implementation
AB-101	Auto Restoration	2023/SP
ECE-150ES	Introducción a la educación infantil y los estudios familiares	2023/SP
ECE-240	Environments and Curriculum Planning	2023/SP
ECE-240ES	Ambientes y Planificación Curricular	2023/SP

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

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**Section #1 General Course Information**

**Department:** AUWD

**Submitter**

First Name: Mark  
Last Name: House  
Phone: 6348  
Email: markh

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**Course Prefix and Number:** AB - 101

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**# Credits:** 3

**Contact hours**

Lecture (# of hours):  
Lec/lab (# of hours): 60  
Lab (# of hours):  
Total course hours: 60

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:** Auto Restoration

**Course Description:**

Designed for students interested in auto body repair and painting their own vehicles. Includes dent removal, panel replacement, welding and painting. May be repeated for up to 12 credits.

---

**Type of Course:** Career Technical Preparatory

Is this class challengeable?

**Yes**

Can this course be repeated for credit in a degree?

**Yes**

**Up to how many credits can this course be repeated to satisfy a degree requirement?** 12

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?

**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?

✓ **Summer**

✓ **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. demonstrate basic metal repair techniques;
2. demonstrate proper panel replacement procedures;
3. select proper welding processes and apply as determined by project;
4. develop and implement a refinishing plan;
5. customize a buffing/detailing plan pertinent to the applied finish.

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

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Major Topic Outline:

1. Shop Orientation.
2. Shop Safety (taught in each section)
3. Tool Introduction, including. selection, safety and use.
  - a. Hand tools.
  - b. Power tools.
  - c. Grinders.
  - d. Jacks and stands.
  - e. Hoists.
  - f. Welding equipment.
4. Introduction to Metal Working.
  - a. Dent removal.
  - b. Part removal, replacement and alignment.
  - d. Welding patches and holes.
5. Introduction to Plastic Filler.
  - a. Preparation for application.
  - b. Abrasives needed to form plastic.
  - c. Mixing.
  - d. Application.
  - e. Finishing.
6. Introduction to Painting.
  - a. Surface prep and paint removal.
  - b. Spraying and gun use.
  - c. Priming and sealing.
  - d. Color application.
  - e. Buffing.

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:** EHCJ

**Submitter**

First Name: Dawn  
Last Name: Hendricks  
Phone: 6158  
Email: dawn.hendricks

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**Course Prefix and Number:** ECE - 150ES

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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.

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**Course Title:** Introducción a la educación infantil y los estudios familiares

**Course Description:**

Este curso se enfoca en la historia de la educación infantil y los teóricos más importantes que han contribuido significativamente al campo. Se examinarán los tipos de programas que atienden a niños pequeños, desde el nacimiento hasta los 8 años, y sus familias. Se explorarán los estándares estatales y nacionales en educación infantil y estudios familiares.

---

**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):** A.A.S. in Early Childhood Education and Family Studies

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?

**✓ Fall**

Is this course equivalent to another?

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

**Yes**

Course Number: ECE-150 Title: Introduction to ECE and Family Studies

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. explicar las teorías actuales y las investigaciones en curso sobre la atención y educación en la primera infancia;
2. describir el papel del juego en los programas de la primera infancia;
3. comparar los modelos de programas de aprendizaje en la primera infancia;
4. explicar la importancia de establecer vínculos con las familias que tengan en cuenta el contexto cultural;
5. identificar las técnicas de orientación adecuadas que se utilizan en entornos de atención y educación en la primera infancia;
6. describir el ciclo de observación, evaluación y educación y utilizarlo para planificar el plan de estudios para todos los niños pequeños;
7. aplicar el código de ética profesional para la atención y educación en la primera infancia a fin de resolver dilemas;
8. describir los personajes, activistas y eventos históricos más importantes que le dan forma a la educación en la primera infancia de la actualidad;
9. resumir el propósito de los estándares y las competencias de maestros de la Asociación Nacional para la Educación en la Primera Infancia (National Association for the Education of Young Children, NAEYC), las pautas de preparación para kindergarten y el aprendizaje temprano de Oregon y los estándares estatales básicos comunes;
10. inscribirse en el Registro Central de Antecedentes Penales (Central Background Registry, CBR) en [oregonearlylearning.com](http://oregonearlylearning.com).

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

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Major Topic Outline:

1. Resumen del campo de la educación en la primera infancia.
2. Profesionalismo en la educación en la primera infancia.
3. Teorías y enfoques del programa.
4. Estándares estatales y federales para el aprendizaje en la primera infancia.
5. Desarrollo cerebral.
6. Desarrollo infantil y prácticas adecuadas para el desarrollo.
7. Diversidad y equidad en el campo de la educación en la primera infancia.
8. Observación y evaluación.
9. El valor del juego.
10. Entornos de aprendizaje en la primera infancia.
11. Conexión familiar.
12. Más allá de los comportamientos.

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

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

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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.

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**Course Title:** Environments and Curriculum Planning

**Course Description:**

Focuses on an introduction of creating learning environments and curriculum for children from three years old through five years old in home or center-based programs. Course covers theories and relationships between physical and social space, activities, experiences, and materials. Students are introduced to the use of developmentally and culturally appropriate practices in planning and selecting environments and curriculum for 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?**

**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?

## ✓ Spring

Is this course equivalent to another?

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

**Yes**

Course Number: ECE-240ES Title: Ambientes y Planificación Curricular

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 theoretical perspectives and core research base related to facilitating positive, supportive relationships and interactions with young children and creating a caring community of learners when working with groups of children;
  2. describe the theoretical perspectives and core research base about various teaching strategies used with young children;
  3. use teaching practices that incorporate the various types and stages of play that support young children's development;
  4. use teaching practices that support development of young children's executive function skills;
  5. apply knowledge about age levels, abilities, developmental status, cultures and languages, and experiences of children in to make professional judgments about the use of materials, the organization of indoor and outdoor physical space and materials, and the management of daily schedules and routines;
  6. describe how young children learn across core content areas and use this understanding of pedagogical content knowledge to make instructional decisions;
  7. select or create curriculum that counters biases and stereotypes, fosters young children's interest in the content areas, and facilitates individual and group learning in preschool settings;
  8. identify early learning standards relevant to the state and/or early learning setting.
-



## 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

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

2. Locate, evaluate, and ethically utilize information to communicate effectively.

**P** 3. Demonstrate appropriate reasoning in response to complex issues.

##### SP: Speech/Oral Communication Outcomes

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

**P** 2. Respond to the needs of diverse audiences and contexts.

**P** 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.

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**Outcomes Assessment Strategies:**

- ✓ **Presentations**
- ✓ **Projects**
- ✓ **Writing Assignments**

✓ **Rubrics**

:

**Major Topic Outline:**

1. Bulding positive, supportive relationships with young children
2. The importance of play
3. Promoting executive function skills
4. Developmentally appropriate practice and curriculum
5. Developing a daily schedule
6. Arranging the physical environment
7. State standards and other early learning guidelines
8. Planning experiences that focus on literacy, mathematics, science, social studies and other content areas
9. Assessing curriculum implementation and environments
10. Developing planning forms
11. Cultural and linguistically responsive curriculum and environments
12. Individualization of the curriculum for all children
13. Engaging in reflective and intentional practice

**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:** EHCJ

**Submitter**

First Name: Dawn  
Last Name: Hendricks  
Phone: 503-594-6158  
Email: dawn.hendricks

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**Course Prefix and Number:** ECE - 240ES

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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.

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**Course Title:** Ambientes y Planificación Curricular

**Course Description:**

Se enfoca en una introducción a la creación de entornos de aprendizaje y planes de estudio para niños de tres a cinco años de edad en programas basados en hogares o centros. El curso cubre las teorías y las relaciones entre el espacio físico y social, las actividades, las experiencias y los materiales. Se enseña a los estudiantes el uso de prácticas adecuadas para el desarrollo y la cultura en la planificación y la selección de entornos y planes de estudio para niños pequeños.

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**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):** A.A.S. in Early Childhood Education and Family Studies

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?

**✓ Spring**

Is this course equivalent to another?

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

**Yes**

Course Number: ECE-240 Title: Environments and Curriculum Planning

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. describir las perspectivas teóricas y la base central de investigación relacionadas con facilitar relaciones e interacciones positivas y de apoyo con los niños pequeños y crear una comunidad de estudiantes atentos cuando se trabaja con grupos de niños;
2. describir las perspectivas teóricas y la base central de investigación sobre las diversas estrategias de educación que se utilizan con los niños pequeños;
3. usar prácticas educativas que incorporen diferentes tipos y etapas de juego que apoyen el desarrollo de los niños pequeños;
4. usar prácticas educativas que apoyen el desarrollo de las destrezas de funcionamiento ejecutivo de los niños pequeños;
5. aplicar el conocimiento sobre los niveles de edad, las habilidades, el estado del desarrollo, las culturas e idiomas y las experiencias de los niños para elaborar criterios profesionales sobre el uso de los materiales, la organización de los espacios físicos interiores y exteriores y los materiales y la gestión de los horarios y rutinas diarios;
6. describir cómo aprenden los niños pequeños en todas las áreas de contenido básico y usar esta comprensión del conocimiento de contenido pedagógico para tomar decisiones educativas;
7. seleccionar o crear un plan de estudios que contrarreste los prejuicios y estereotipos, fomente el interés de los niños pequeños en las áreas de contenido y facilite el aprendizaje individual y grupal en contextos preescolares;
8. identificar los estándares de aprendizaje en la primera infancia relevantes para el estado o los entornos de aprendizaje en la primera infancia.

---

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

---

**Major Topic Outline:**

1. Desarrollo de relaciones positivas y de apoyo con los niños pequeños.
2. La importancia del juego.
3. Promoción de destrezas de funcionamiento ejecutivo.
4. Prácticas y planes de estudio adecuados para el desarrollo.
5. Creación de un horario diario.
6. Disposición del entorno físico.
7. Estándares estatales y otras pautas para el aprendizaje en la primera infancia.
8. Planificación de experiencias que se enfoquen en la alfabetización, matemáticas, ciencias, estudios sociales y otras áreas de contenido.
9. Evaluación de la implementación del plan de estudios y los entornos.
10. Desarrollo de formularios de planificación.
11. Planes de estudio y entornos que sean sensibles desde los puntos de vista lingüístico y cultural.
12. Individualización del plan de estudios para todos los niños.
13. Participación en prácticas reflexivas e intencionales.

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

1. Increased energy efficiency

**No**

- |                                      |           |
|--------------------------------------|-----------|
| 2. Produce renewable energy          | <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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<b>Course Number</b>	<b>Title</b>	<b>Implementation</b>
COMM-100Z	Introduction to Communication	2023/SU
COMM-111Z	Public Speaking	2023/SU
COMM-218Z	Interpersonal Communication	2023/SU
MTH-105Z	Math in Society	2023/SU
MTH-111Z	Precalculus I: Functions	2023/SU
MTH-112Z	Precalculus II: Trigonometry	2023/SU
STAT-243Z	Elementary Statistics I	2023/SU
WR-121Z	Composition I	2023/SU
WR-122Z	Composition II	2023/SU
WR-227Z	Technical Writing	2023/SU

CURRENT				PROPOSED			
CRSE	Title	Hours	Credits	CRSE	Title	Hours	Credits
COMM-100	Basic Speech Communication	33	3	COMM-100Z	Introduction to Communication	44	4
COMM-111	Public Speaking	44	4	COMM-111Z	Public Speaking	44	4
COMM-218	Interpersonal Communication	44	4	COMM-218Z	Interpersonal Communication	44	4
MTH-105	Math in Society	44	4	MTH-105Z	Math in Society	44	4
MTH-111	College Algebra	55	5	MTH-111Z	Precalculus I: Functions	44	4
MTH-112	Trigonometry and Pre-Calculus	55	5	MTH-112Z	Precalculus II: Trigonometry	44	4
MTH-243	Statistics I	44	4	STAT-243Z	Elementary Statistics I	44	4
WR-121	English Composition	44	4	WR-121Z	Composition I	44	4
WR-122	English Composition	44	4	WR-122Z	Composition II	44	4
WR-227	Technical Report Writing	44	4	WR-227Z	Technical Writing	44	4



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### Section #1 General Course Information

**Department:** COTA

**Submitter**

First Name: Kerrie

Last Name: Hughes

Phone: 3155

Email: kerrieh

---

**Course Prefix and Number:** COMM - 100Z

---

**# 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 Communication

**Course Description:**

COMM-100z is a survey course offering an overview of the communication discipline that emphasizes the development of best communication practices in different contexts.

---

**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?

**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?

**Yes**

**Area:** Human Relations

**GRADING METHOD:**

A-F or Pass/No Pass

**Audit: Yes**

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. explain the ways communication is impacted by ethics, language, nonverbal behaviors, perception, culture, and contexts;
2. identify communication theories, perspectives, principles, and concepts;
3. explore different areas of communication to develop a broad base of skills and communicative tools when interacting with others;
4. articulate the importance of communication expertise in career development and civic engagement.

---

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

---

**Major Topic Outline:**

1. Elements of the Communication Process.
2. Influence of self-concept.
3. Influence of culture and co-culture.
4. Types of communication.
5. Basic presentation skills
6. Effective verbal and nonverbal communication.
7. The Perceptual Process
8. Listening strategies.
9. Creating and maintaining relationships.
10. Ethical communication.
11. Johari's windows—Awareness and Disclosure.
12. Communicating emotions.
13. Small group roles and rules.
14. Leadership styles.
15. Conflict response.
16. Computer-mediated communication (e-mail, social/professional networks, etc.).
17. Interviewing techniques for both informational and professional purposes.

**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)

- ✓ OIT (Oregon Institute of Technology) ✓ PSU (Portland State University)
- ✓ OSU (Oregon State University) ✓ UO (University of Oregon)
- ✓ OSU-Cascade

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

Comm-100 or Comm Lower Division Transfer

How does it transfer? (Check all that apply)

✓ general elective  
:

First term to be offered:

Next available term after  
approval : 2023/SU

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Online Course/Outline Submission System

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### Section #1 General Course Information

**Department:** COTA

**Submitter**

First Name: Alice

Last Name: Lewis

Phone: 3156

Email: alicel

---

**Course Prefix and Number:** COMM - 111Z

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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:** Public Speaking

**Course Description:**

COMM-111z emphasizes developing communication skills by examining and demonstrating how self-awareness, audience, content, and occasion influence the creation and delivery of speeches and presentations.

---

**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?

**No**

Are there prerequisites to this course?

**Yes**

**Pre-reqs:** WRD-098 or placement in WR-121Z

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?

**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**

## ✓ 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. develop messages for diverse audiences, purposes, and contexts;
2. identify and utilize skills to manage communication apprehension;
3. deliver and adapt speeches and/or presentations to live audiences;
4. evaluate public speeches, including their own, by identifying aspects of preparation, credibility, logic, and delivery.

---

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

---

Major Topic Outline:

1. Sender-Message-Channel-Receiver process.
2. Ethical speaking and listening practices.
3. Audience analysis and message adaption.
4. Topic selection.
5. Verbal and nonverbal delivery techniques.
6. Delivery of a variety of speech genres.
7. Visual aids.
8. Speech organization and outlining.
9. Research and use of credible library and/or internet sources.
10. Speaker anxiety.

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

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

SPE111 at OIT  
Comm220 at PSU  
Comm111 at OSU  
Comm210 at WOU and SOU  
Counts as Arts and Letters at U of O

How does it transfer? (Check all that apply)

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

First term to be offered:

Next available term after approval : 2023/SU

---



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Online Course/Outline Submission System

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### Section #1 General Course Information

**Department:** COTA

**Submitter**

First Name: Alice

Last Name: Lewis

Phone: 3156

Email: alicel

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**Course Prefix and Number:** COMM - 218Z

---

**# 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:** Interpersonal Communication

**Course Description:**

COMM-218z increases the knowledge and use of competent communication skills to better understand oneself, others, and the role of communication in interpersonal relationships.

---

**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-121Z

**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?

**Yes**

**Area:** Human Relations

**GRADING METHOD:**

A-F or Pass/No Pass

**Audit: Yes**

When do you plan to offer this course?

- ✓ **Summer**
- ✓ **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. describe how culture, identity, perception, biases, and power influence the communication process;
  2. recognize and analyze interpersonal communication concepts (e.g., ethics, verbal and nonverbal communication, listening, emotions, and conflict);
  3. assess one's own interpersonal skills to become more competent in a variety of relational contexts;
  4. apply foundational concepts and theories to interpersonal communication.
-

## 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

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.

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

---

Outcomes Assessment Strategies:

- ✓ General Examination
- ✓ Presentations
- ✓ Criteria
- ✓ Rubrics
- ✓ Projects
- ✓ Writing Assignments
- ✓ Multiple Choice Test

:

Major Topic Outline:

1. Communication Process Models
2. Listening
3. Self-concept
4. Perception
5. Cultural identities
6. Self disclosure
7. Conflict management and reduction
8. Communication competence
9. Non-verbal versus verbal communication
10. Relational development, maintenance, and breakdowns

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

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

Percent of course: 0%

**Section #2 Course Transferability**

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

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

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

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

- ✓ OIT (Oregon Institute of Technology)
- ✓ 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)

COMM218 Interpersonal Communication at PSU and OSU  
COM112 Interpersonal Comm at WOU  
COMM125 Interpersonal Comm at SOU

How does it transfer? (Check all that apply)

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

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

✓ Other. Please explain.

Verified transferability through listings on colleges' websites

First term to be offered:

**Next available term after approval**

: 2023/SU

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**Section #1 General Course Information**

**Department:** Mathematics

**Submitter**

First Name: Kelly

Last Name: Mercer

Phone: 6154

Email: kelly.mercer

---

**Course Prefix and Number:** MTH - 105Z

---

**# 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:** Math in Society

**Course Description:**

An exploration of present-day applications of mathematics focused on developing numeracy. Major topics include quantitative reasoning and problem-solving strategies, probability and statistics, and financial mathematics; these topics are to be weighted approximately equally. This course emphasizes mathematical literacy and communication, relevant everyday applications, and the appropriate use of current technology.

---

**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:**

**✓ Mathematics**

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

**No**

Are there prerequisites to this course?

**Yes**

**Pre-reqs:** MTH-095 or MTH-098 with a C or better, or placement in MTH-111Z

**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?

**Yes**

**Recommendations:** WRD-098 or placement in WR-121Z

**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?

**Yes**

**Area:** Computation

**GRADING METHOD:**



A-F or Pass/No Pass

**Audit: Yes**

When do you plan to offer this course?

- ✓ **Summer**
- ✓ **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. employ mathematical reasoning skills when reading complex problems requiring quantitative or symbolic analysis and demonstrate versatility in the consideration and selection of solution strategies;
  2. demonstrate proficiency in the use of mathematical symbols, techniques, and computation that contribute to the exploration of applications of mathematics;
  3. use appropriate mathematical structures and processes to make decisions and solve problems in the contexts of logical reasoning, probability, data, statistics, and financial mathematics;
  4. use appropriate representations and language to effectively communicate and interpret quantitative results and mathematical processes orally and in writing;
  5. demonstrate mathematical habits of mind by determining the reasonableness and implications of mathematical methods, solutions, and approximations in context.
-

## 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.
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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:

- C 1. Use appropriate mathematics to solve problems.
- C 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

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:

✓ **General Examination**

✓ **Projects**

✓ **Writing Assignments**

:

Major Topic Outline:

1. Proportional reasoning and percent
2. Tables, graphs, and Venn Diagrams
3. Linear and exponential growth
4. Measures of Average
5. Language of data collection
6. Displaying data
7. Using spreadsheets
8. Financial Math: budgeting, saving, and paying off debt
9. Probability
10. Weighted means and expected value
11. Logical and probabilistic fallacies
12. Language of logic
13. Arguments and conditional statements

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)

- |   |   |
|---|---|
| ✓ <b>EOU (Eastern Oregon University)</b>      | ✓ <b>PSU (Portland State University)</b>  |
| ✓ <b>OIT (Oregon Institute of Technology)</b> | ✓ <b>SOU (Southern Oregon University)</b> |
| ✓ <b>OSU (Oregon State University)</b>        | ✓ <b>UO (University of Oregon)</b>        |
| ✓ <b>OSU-Cascade</b>                          | ✓ <b>WOU (Western Oregon University)</b>  |

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

MTH-105

How does it transfer? (Check all that apply)

**general education or distribution requirement**

**general elective**

:

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

**Other. Please explain.**

MTH105 is listed as a general education course for the AAOT, therefore it will transfer to all state universities in Oregon.

First term to be offered:

**Next available term after approval**

: 2023/SU

---

**Clackamas Community College**  
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### Section #1 General Course Information

**Department:** Mathematics

**Submitter**

First Name: Scot

Last Name: Pruyn

Phone: 6611

Email: scot.pruyn

---

**Course Prefix and Number:** MTH - 111Z

---

**# 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:** Precalculus I: Functions

**Course Description:**

A course primarily designed for students preparing for trigonometry or calculus. This course focuses on functions and their properties, including polynomial, rational, exponential, logarithmic, piecewise-defined, and inverse functions. These topics will be explored symbolically, numerically, and graphically in real-life applications and interpreted in context. This course emphasizes skill building, problem solving, modeling, reasoning, communication, connections with other disciplines, and the appropriate use of present-day technology.

---

**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:**

**✓ Mathematics**

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

**No**

Are there prerequisites to this course?

**Yes**

**Pre-reqs:** MTH-095 with a C or better, or placement in MTH-111Z

**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?

**Yes**

**Recommendations:** WRD-098 or placement in WR-121Z

**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?

**Yes**

**Area:** Computation

**GRADING METHOD:**

A-F or Pass/No Pass

**Audit: Yes**

When do you plan to offer this course?

- ✓ **Summer**
- ✓ **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. explore the concept of a function numerically, symbolically, verbally, and graphically and identify properties of functions both with and without technology;
  2. analyze polynomial, rational, exponential, and logarithmic functions, as well as piecewise-defined functions, in both algebraic and graphical contexts, and solve equations involving these function types;
  3. demonstrate algebraic and graphical competence in the use and application of functions including notation, evaluation, domain/range, algebraic operations & composition, inverses, transformations, symmetry, rate of change, extrema, intercepts, asymptotes, and other behavior;
  4. use variables and functions to represent unknown quantities, create models, find solutions, and communicate an interpretation of the results;
  5. determine the reasonableness and implications of mathematical methods, solutions, and approximations in context.
-

## 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

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:

- C 1. Use appropriate mathematics to solve problems.
- C 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

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:

✓ **General Examination**

✓ **Writing Assignments**

✓ **Rubrics**

:

Major Topic Outline:

1. General properties of functions
  - a. Domain and Range
  - b. Average rate of change
  - c. Piecewise functions
  - d. Combination and composition
  - e. Transformations of functions
  - f. Inverse functions
2. Linear functions
3. Quadratic and polynomial functions
4. Rational functions
5. Exponential and logarithmic functions
6. Sequences and series

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)

- |   |   |
|---|---|
| ✓ <b>EOU (Eastern Oregon University)</b>      | ✓ <b>PSU (Portland State University)</b>  |
| ✓ <b>OIT (Oregon Institute of Technology)</b> | ✓ <b>SOU (Southern Oregon University)</b> |
| ✓ <b>OSU (Oregon State University)</b>        | ✓ <b>UO (University of Oregon)</b>        |
| ✓ <b>OSU-Cascade</b>                          | ✓ <b>WOU (Western Oregon University)</b>  |

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

EOU: MATH 111  
OIT: MATH 111 & MASC 000  
SOU: MTH 111  
UO: MATH 111  
WOU: MTH 111  
OSU: MTH 111  
PSU: MTH 111

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.

Transfer tool websites

First term to be offered:

**Next available term after  
approval : 2023/SU**

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**Clackamas Community College**  
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### Section #1 General Course Information

**Department:** Mathematics

**Submitter**

First Name: Stefan

Last Name: Baratto

Phone: 3325

Email: sbaratto

---

**Course Prefix and Number:** MTH - 112Z

---

**# 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:** Precalculus II: Trigonometry

**Course Description:**

A course primarily designed for students preparing for calculus and related disciplines. This course explores trigonometric functions and their applications as well as the language and measurement of angles, triangles, circles, and vectors. These topics will be explored symbolically, numerically, and graphically in real-life applications and interpreted in context. This course emphasizes skill building, problem solving, modeling, reasoning, communication, connections with other disciplines, and the appropriate use of present-day technology.

---

**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:**

**✓ Mathematics**

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

**No**

Are there prerequisites to this course?

**Yes**

**Pre-reqs:** MTH-111Z with a C or better, or placement in MTH-112Z

**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?

**Yes**

**Recommendations:** WRD-098 or placement in WR-121Z

**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?

**Yes**

**Area:** Computation

**GRADING METHOD:**

A-F or Pass/No Pass

**Audit: Yes**

When do you plan to offer this course?

- ✓ **Summer**
- ✓ **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. translate among various systems of measure for angles including radians, degrees, and revolutions;
  2. represent, manipulate, and evaluate trigonometric expressions in terms of sides of a right triangle and in terms of the coordinates of a unit circle;
  3. graph, transform, and analyze trigonometric functions using amplitude, shifts, symmetry, and periodicity;
  4. manipulate trigonometric expressions and prove trigonometric identities;
  5. solve trigonometric equations using inverses, periodicity, and identities;
  6. define, represent, and operate with vectors both geometrically and algebraically;
  7. apply the law of sines and the law of cosines to determine lengths and angles;
  8. use variables, trigonometric functions, and vectors to represent quantities, create models, find solutions, and communicate an interpretation of the results;
  9. determine the reasonableness and implications of mathematical methods, solutions, and approximations in context.
-

## 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

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:

- C 1. Use appropriate mathematics to solve problems.
- C 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

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:

✓ **General Examination**

✓ **Other Assessment Tools:** Homework

Major Topic Outline:

1. Angles and geometric applications.
2. Right-triangle trigonometry.
3. Unit-circle trigonometry.
4. Trigonometric identities.
5. Trigonometry with oblique triangles.
6. Polar coordinates and equations.
7. Parametric functions.
8. Vectors.

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)

- |   |   |
|---|---|
| ✓ <b>EOU (Eastern Oregon University)</b>      | ✓ <b>PSU (Portland State University)</b>  |
| ✓ <b>OIT (Oregon Institute of Technology)</b> | ✓ <b>SOU (Southern Oregon University)</b> |
| ✓ <b>OSU (Oregon State University)</b>        | ✓ <b>UO (University of Oregon)</b>        |
| ✓ <b>OSU-Cascade</b>                          | ✓ <b>WOU (Western Oregon University)</b>  |

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

MTH-112

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.**

Oregon state-based math standards (Oregon Math Chairs group).

First term to be offered:

**Next available term after approval**

: 2023/SU

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**Clackamas Community College**  
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### Section #1 General Course Information

**Department:** Mathematics

**Submitter**

First Name: Carrie

Last Name: Kyser

Phone: 3328

Email: carriek

---

**Course Prefix and Number:** STAT - 243Z

---

**# 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:** Elementary Statistics I

**Course Description:**

A first course in statistics focusing on the interpretation and communication of statistical concepts. Introduces exploratory data analysis, descriptive statistics, sampling methods and distributions, point and interval estimates, hypothesis tests for means and proportions, and elements of probability and correlation. Technology will be used when appropriate.

---

**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:**

**✓ Mathematics**

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

**No**

Are there prerequisites to this course?

**Yes**

**Pre-reqs:** MTH-105Z or MTH-111Z with a C or better, or placement in STAT-243Z

**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?

**Yes**

**Recommendations:** WRD-098 or placement in WR-121Z

**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?

**Yes**

**Area:** Computation

**GRADING METHOD:**

A-F or Pass/No Pass

**Audit: Yes**

When do you plan to offer this course?

- ✓ **Summer**
- ✓ **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. critically read, interpret, report, and communicate the results of a statistical study along with evaluating assumptions, potential for bias, scope, and limitations of statistical inference;
    - a. classify study designs and variable types and identify methods of summary and analysis;
  2. produce and interpret summaries of numerical and categorical data as well as appropriate graphical and/or tabular representations;
    - a. identify patterns and striking deviations from patterns in data;
    - b. identify associations between variables for bivariate data;
    - c. apply technology to calculate statistical summaries and produce graphical representations;
  3. use the distribution of sample statistics to quantify uncertainty and apply the basic concepts of probability into statistical arguments;
    - a. interpret point and interval estimates;
  4. identify, conduct, and interpret appropriate parametric hypothesis tests;
    - a. identify the appropriate test based on variable type;
    - b. identify situations where a one or two tailed test would be appropriate;
    - c. conduct tests of one mean;
    - d. conduct tests of one proportion;
    - e. explain the distinction between statistical and practical significance and the potential for error in hypothesis test conclusions;
    - f. apply technology to perform hypothesis tests calculations;
  5. assess relationships in quantitative bivariate data;
    - a. address questions relating correlation as a linear association between variables;
    - b. distinguish between correlation and causation within data;
    - c. apply technology to explore bivariate data.
-

## 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

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:

- C 1. Use appropriate mathematics to solve problems.
- C 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

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:

- ✓ **General Examination**
- ✓ **Projects**
- ✓ **Writing Assignments**
  
- ✓ **Portfolios**
  
- ✓ **Pre-Post Assessment**

:

Major Topic Outline:

1. Numerical and categorical data
2. Representativeness, randomness, and design of studies
3. Summarizing data: shape, center, spread
4. Using graphs to describe data, including normal distributions
5. Making predictions
  - a. Univariate and Bivariate Data
  - b. Probability in one- and two-way tables
  - c. Regression
  - d. Correlation and Independence
6. Theoretical Distributions
  - a. Developing models to compare our data to theoretical distributions
  - b. Binomial distributions
  - c. Normal distributions
  - d. Simulations
  - e. Informal inference
7. Drawing conclusions about a population from a sample
  - a. Sample size
  - b. Randomness
  - c. Exploration of variability between samples through simulation
  - d. Central Limit Theorem for numerical and categorical data
  - e. Confidence Intervals

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

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

All OUS will take Math 243, some require 244 for equivalency

How does it transfer? (Check all that apply)

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

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

✓ Other. Please explain.

Equivalency guides on OUS institutions' websites

First term to be offered:

**Next available term after approval**

: 2023/SU

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**Clackamas Community College**  
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### Section #1 General Course Information

**Department:** English

**Submitter**

First Name: David

Last Name: Mount

Phone: 3265

Email: davidmo

---

**Course Prefix and Number:** WR - 121Z

---

**# 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:** Composition I

**Course Description:**

WR-121Z engages students in the study and practice of critical thinking, reading, and writing. The course focuses on analyzing and composing across varied rhetorical situations and in multiple genres. Students will apply key rhetorical concepts flexibly and collaboratively throughout their writing and inquiry processes.

---

**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):** Most of them...too numerous to enter all of them

Are there prerequisites to this course?

**Yes**

**Pre-reqs:** WRD-098 or placement in WR-121Z

**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?

**Yes**

**Area:** Communication

**GRADING METHOD:**

A-F or Pass/No Pass

**Audit: Yes**

When do you plan to offer this course?



- ✓ **Summer**
- ✓ **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. apply rhetorical concepts through analyzing and composing a variety of texts;
2. engage texts critically, ethically, and strategically to support writing goals;
3. develop flexible composing, revising, and editing strategies for a variety of purposes, audiences, writing situations, and genres;
4. reflect on knowledge and skills developed in this course and their potential applications in other writing contexts.

---

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

---

Major Topic Outline:

1. Reading and responding to college-level texts: how to apply basic critical thinking skills to complex issues in texts and other forms of media. How to build responses to reading into original essay topics.
2. The writing process: how to use prewriting tools such as brainstorming and free writing to generate ideas. How to improve essays through revision and polishing.
3. Elements of academic essay writing, including organization, paragraph structure, sentence structure, and style, as well as some review of grammar, mechanics, and usage, as necessary.
4. The variety of academic audiences and disciplines: how to analyze and address their expectations.
5. Introduction to argumentation: how to recognize and analyze it in reading, and how to begin crafting it in writing.
6. Finding, evaluating, and using information: an introduction to the economic, social, and legal issues surrounding the use of information, and how to use advanced research techniques to locate information, formulate a problem statement, determine the type of information necessary to address it, and evaluate the information critically. How to integrate source materials and avoid plagiarism using MLA citation format.
7. Discussing ideas and critiquing others' writing in a constructive and respectful manner. Reflecting on one's own writing and learning.

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%

## 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)
- ✓ PSU (Portland State University)
- ✓ OIT (Oregon Institute of Technology)
- ✓ SOU (Southern Oregon University)
- ✓ OSU (Oregon State University)
- ✓ UO (University of Oregon)
- ✓ OSU-Cascade
- ✓ WOU (Western Oregon University)

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

WR 121 English Composition

How does it transfer? (Check all that apply)

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

:

First term to be offered:

Next available term after  
approval : 2023/SU

---

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

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### Section #1 General Course Information

**Department:** English

**Submitter**

First Name: Taylor

Last Name: Donnelly

Phone: 6159

Email: tdonnelly

---

**Course Prefix and Number:** WR - 122Z

---

**# 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:** Composition II

**Course Description:**

WR-122Z builds on concepts and processes emphasized in WR-121Z, engaging with inquiry, research, and argumentation in support of students' development as writers. The course focuses on composing and revising in research-based genres through the intentional use of rhetorical strategies. Students will find, evaluate, and interpret complex material, including lived experience; use this to frame and pursue their own research questions; and integrate material purposefully into their own compositions.

---

**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?

**No**

Are there prerequisites to this course?

**Yes**

**Pre-reqs:** WR-121Z with a C or better

**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?

**Yes**

**Area:** Communication

**GRADING METHOD:**

A-F or Pass/No Pass

**Audit:** Yes

When do you plan to offer this course?

- ✓ **Summer**
- ✓ **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. apply rhetorical concepts to achieve writing goals within a given discourse community;
2. locate, critically evaluate, synthesize, and integrate multiple perspectives from a variety of sources;
3. engage in research and writing as recursive and inquiry-based processes, participating in the communal and conversational nature of academic discourses;
4. develop strategies for generating, drafting, revising, and editing texts based on feedback and reflection;
5. reflect on knowledge and skills developed in this and other courses and potential transfer to future contexts.

---

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

---

Major Topic Outline:

1. reading, analyzing, discussing, and responding to argumentative essays by professional writers;
2. constructive and respectful discussions and writing groups,
3. structure and techniques of argumentation, including logical fallacies;
4. developing a position on an issue and drafting an argument, revising effectively;
5. formulating a research problem, advanced searching, evaluating information, using it ethically and integrating others' words and ideas into one's own writing;
6. controlling style and diction and editing effectively.

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)
- PSU (Portland State University)
- OIT (Oregon Institute of Technology)
- SOU (Southern Oregon University)
- OSU (Oregon State 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)

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

:

First term to be offered:

Next available term after  
approval : 2023/SU

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

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### Section #1 General Course Information

**Department:** English

**Submitter**

First Name: Jeff

Last Name: McAlpine

Phone: 3263

Email: jeffmc

---

**Course Prefix and Number:** WR - 227Z

---

**# 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:** Technical Writing

**Course Description:**

WR-227Z introduces students to producing instructive, informative, and persuasive technical/professional documents aimed at well-defined and achievable outcomes. The course focuses on presenting information using rhetorically appropriate style, design, vocabulary, structure, and visuals. Students can expect to gather, read, and analyze information and to learn a variety of strategies for producing accessible, usable, reader-centered deliverable documents that are clear, concise, and ethical.

---

**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?

**Yes**

**Pre-reqs:** WR-121Z with a C or better

**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?

**Yes**

**Area:** Communication

**GRADING METHOD:**

A-F or Pass/No Pass

**Audit:** Yes

When do you plan to offer this course?

- ✓ **Summer**
- ✓ **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. apply key rhetorical concepts through analyzing, designing, composing, and revising a variety of deliverable documents for technical/professional contexts;
2. engage in project-based research, applying appropriate methods of inquiry for clearly defined purposes (e.g., user experience research and client/organization research);
3. collaborate with various stakeholders to develop and apply flexible and effective strategies for managing projects;
4. develop and adapt document design and composition strategies to meet the demands of diverse clients, organizations, and multicultural audiences;
5. examine and respond to individual and professional ethical responsibilities across organizational contexts.

---

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

---

Major Topic Outline:

1. The language and organization of basic documents:
  - a. Technical Definition.
  - b. Technical Description.
  - c. User's Manual.
2. Short Reports:
  - a. Abstract.
  - b. Marketing Brochure.
  - c. Lab Report.
  - d. Field Report.
  - e. Summary.
  - f. Software Review.
  - g. Advertising Flyer.
  - h. Job Description.
  - i. Job or Employee Evaluation.
  - j. Company Evaluation.
  - k. Journal Review.
3. Informal Reports:
  - a. Memo.
  - b. Proposal.
  - c. Progress Report.
4. Formal Reports:
  - a. Feasibility Study.
  - b. Recommendation Report.
  - c. Proposal.
  - d. Journal Article.

- e. Empirical Research.
- f. Market Analysis.
- 5. Business Writing:
  - a. Letter of Application.
  - b. Letter of Resignation.
  - c. Letter of Transmittal.
  - d. Memo.
  - e. Business Card.
  - f. Resume.

7. Special Skills:

- a. Documentation: MLA or APA Format.
- b. Visuals and Page Design including the use of boldface, headings and subheadings, white space and bullet lists.
- c. Interviews.

8. Major Topics:

- a. The nature of technical writing.
- b. The importance of accuracy, brevity, and clarity.
- c. The processes of composing, revising, and editing.
- d. Research and documentation skills.
- e. Creativity amid technical format and objective language.
- f. The ethics of business, academic, and industrial writing.
- g. The value of visual aids including charts, graphs, tables, diagrams and others.
- h. Working and writing in a group.
- i. Generating a business or other professional portfolio.
- j. Oral communication skills.
- k. Assessing the receiving audience and its needs.

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.

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

- |  |                                    |
|--|------------------------------------|
| ✓ EOU (Eastern Oregon University)      | ✓ PSU (Portland State University)  |
| ✓ OIT (Oregon Institute of Technology) | ✓ SOU (Southern Oregon University) |
| ✓ OSU (Oregon State University)        | ✓ UO (University of Oregon)        |
| ✓ OSU-Cascade                          | ✓ WOU (Western Oregon University)  |

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

WR 227 Technical Report Writing; WR 327 Technical Report Writing

How does it transfer? (Check all that apply)

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

First term to be offered:

Next available term after  
approval : 2023/SU

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Program	Implementation
AS, Geology, PSU	2023/SU
AS, Horticulture, OSU	2023/SU
Digital Media Communications AAS	2023/SU
EFA, Science, Technology, Engineering & Mathematics (STEM)	2023/SU
EFA, Social Sciences, Human Services & Criminal Justice	2023/SU
Electronics Engineering Technology AAS	2023/SU
Electronics Engineering Technology CC	2023/SU
Entry Level Journalist CC	2023/SU
Horticulture AAS	2023/SU
Horticulture CC	2023/SU
Landscape Management AAS	2023/SU
Landscape Management AAS, Arboriculture Option	2023/SU
Music Performance & Technology AAS	2023/SU
Music Technology CC	2023/SU
Organic Farming CC	2023/SU
Part Time Welding CC	2023/SU
Video Production Technician CC	2023/SU

Program ID	Program Title	Current Credits	Proposed Credits
AS.PSUGEOLOGY	AS, Geology, PSU	91-95	90-93
AS.OSUGENHORT	AS, Horticulture, OSU	93-97	91-95
AAS.DMC1	Digital Media Communications AAS	90	90-91
EFA.STEM	EFA, Science, Technology, Engineering & Mathematics (STEM)	13	12
EFA.SOCHUMSRVCJ	EFA, Social Sciences, Human Services & Criminal Justice	13-14	13
AAS.ELECTRONENGTECH	Electronics Engineering Technology AAS	97-103	95-101
CC.ELECTRONENGTECH	Electronics Engineering Technology CC	48	47
CC.ELVLJRNLS	Entry Level Journalist CC	44	44-45
AAS.HORT1	Horticulture AAS	95-101	96-101
CC.HORT	Horticulture CC	51-54	52-54
AAS.LANDSCAPEMGMT	Landscape Management AAS	95-98	96-98
AAS.LANDMGMTARBOR	Landscape Management AAS, Arboriculture Option	96-99	97-99
AAS.MUSICPERFTECH	Music Performance & Technology AAS	94-96	95-97
CC.MUSICTECH	Music Technology CC	51-54	52-54
CC.ORGANICFARM	Organic Farming CC	52-56	53-56
CC.PTWELDING	Part Time Welding CC	14	15
CC.VIDEOPRODTECH	Video Production Technician CC	36	36-37



## 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	<i>Current</i> 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: Geology</b> AS.PSUGEOLOGY				<b>Associate of Applied Science Area of Emphasis</b>	<b>91-95</b>
<b>Partnering Institution Name Portland State University</b>					

Last amendment approved on 10/16/2020

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>90-93</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.]

<i><b>CURRENT CURRICULUM 22-23</b></i>				<i><b>PROPOSED CURRICULUM 23-24</b></i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Program Requirements – First Year</b>							
<b>Fall Term</b>							
COMM-111	Public Speaking	44	4	COMM-111Z	Public Speaking	44	4
G-201	General Geology	66	4				
G-201L	General Geology Lab		0				
*MTH-095	Algebra III	44	4				
WR-121	English Composition	44	4	WR-121Z	Composition I	44	4
<b>Winter Term</b>							
CS-120	Survey of Computing	55	4				
G-202	General Geology	66	4				
G-202L	General Geology Lab		0				
MTH-111	College Algebra	55	5	MTH-111Z	Precalculus I: Functions	44	4
WR-122	English Composition	44	4	WR-122Z	Composition II	44	4
<b>Spring Term</b>							
G-203	General Geology	66	4				
G-203L	General Geology Lab		0				
MTH-112	Trigonometry and Pre-Calculus	55	5	MTH-112Z	Precalculus II: Trigonometry	44	4
--	General elective		3-4				
<b>Summer Term</b>							
G-145 or G-148	Geology of the Pacific Northwest Or Volcanoes & Earthquakes	66	4				
<b>Program Requirements – Second Year</b>							
<b>Fall Term</b>							
MTH-251	Calculus I	55	5				
PH-201	General Physics	77	5				
--	Social Science General Education elective		4				
--	General Elective <sup>1</sup>		3-4	--	General Elective <sup>1</sup>		4
<b>Winter Term</b>							
CH-221	General Chemistry	77	5				
MTH-252	Calculus II	55	5				
--	Social Science General Education elective		4				
--	General Elective <sup>2</sup>		3-4				
<b>Spring Term</b>							
CH-222	General Chemistry	77	5				
COMM-140	Introduction to Intercultural Communication	44	4				
MTH-243	Statistics I	44	4	STAT-243Z	Elementary Statistics I	44	4
--	General elective (if summer term not taken)		3-4				
<b>General Electives</b>							
Any 3-4 credit college-level course 100 level or above. *MTH-095: Take if not placed in MTH-111. MTH-095 does not count toward degree but is prerequisite for MTH-111. General elective <sup>1</sup> : CH-150 if needed to meet prerequisites for CH-221 General elective <sup>2</sup> : BI-165D recommended if summer courses not taken				Any 3-4 credit college-level course 100 level or above. *MTH-095: Take if not placed in MTH-111Z. MTH-095 does not count toward degree but is prerequisite for MTH-111Z. General elective <sup>1</sup> : CH-150 if needed to meet prerequisites for CH-221 General elective <sup>2</sup> : BI-165D recommended if summer courses not taken			

Recommended courses that would complement upper division courses at Portland State University include: Math (MTH-253 or 256); World Languages (ASL, FR, GER, SPN); Geographic Information Systems (GIS)		Recommended courses that would complement upper division courses at Portland State University include: Math (MTH-253 or 256); World Languages (ASL, FR, GER, SPN); Geographic Information Systems (GIS)	
Social Science General Education electives			
Any Social Science General Education course. Recommended: ANT-101 or ANT-102; GEO-100, GEO-130, or GEO-208; HST-137 or PS-297			
<b>TOTAL CURRENT CREDITS:</b>	91-95	<b>TOTAL PROPOSED CREDITS:</b>	90-93
<b>College Contact</b>		<b>Telephone No.</b>	
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer <i>or</i> CTE Dean Signature</b>		<b>Date</b>	





## 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					
APPROVED Program Title	APPROVED CIP Code <small>(Include 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			APPROVED Recognition Award	Current Credits
	6-digit CIP	7 <sup>th</sup> digit	8 <sup>th</sup> digit		
AS Area of Emphasis Title: <b>Horticulture</b> AS.OSUGENHORT				Associate of Applied Science Area of Emphasis	93-97
Partnering Institution Name <b>Oregon State University</b>					

Last amendment approved on 02.18.22

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>91-95</b>
<input type="checkbox"/> <b>SUSPENSION</b> of Program	<i>Reason for Suspension:</i>		
<b>Suspension Effective Date:</b>			

## CURRICULUM AMENDMENT

### CURRENT CURRICULUM 22-23

### PROPOSED CURRICULUM 23-24

Course	Title	Hours	Credits	Course	Title	Hours	Credits
Program Requirements – First Year							
Fall Term							
CH-221	General Chemistry	77	5				
HOR-226*	Plant Identification/Fall	44	4				
WR-121	English Composition	44	4	WR-121Z	Composition I	44	4
--	Horticulture Production & Management electives		2-3				
Winter Term							
CH-222	General Chemistry	77	5				
MTH-111	College Algebra	55	5	MTH-111Z	Precalculus I: Functions	44	4
WR-122 Or WR-227	English Composition or Technical Report Writing	44	4	WR-122Z Or WR-227Z	Composition II or Technical Writing	44	4
--	Horticulture Production & Management electives		2-3				
Spring Term							
CH-223	General Chemistry	77	5				
HOR-112	Horticulture Career Exploration	24	2				
HOR-228*	Plant Identification/Spring	44	4				
HPE-295	Health & Fitness for Life	60	3				
--	Horticulture Production & Management electives		2-3				
Program Requirements – Second Year							
Fall Term							
BI-211	General Biology for Science Majors (Cellular Biology)	77	5				
--	Difference, Power, & Discrimination electives		4				
--	Literature and the Arts electives		3-4				
Winter Term							
BI-212	General Biology for Science Majors (Animal Biology)	77	5				
MTH-112	Trigonometry and Pre-Calculus	55	5	MTH-112Z	Precalculus II: Trigonometry	44	4
--	Cultural Diversity electives		4				
--	Social Processes and Institutions electives		4				
Spring Term							
BI-213	General Biology for Science Majors (Plant Biology & Ecology)	77	5				
COMM-111 or COMM-218	Public Speaking or Interpersonal Communication	44	4	COMM-111Z Or COMM-218Z	Public Speaking Or Interpersonal Communication	44	4
HOR-215	Herbaceous Perennials	44	3				
--	Western Culture electives		4				
Cultural Diversity Electives**							
ENG-213	U.S. Latino Literature	44	4				
GEO-110	Cultural & Human Geography	44	4				
R-101	Judaism and Foundations of Religion	44	4				
R-102	Christianity and Islam	44	4				
R-103	Asian Religions	44	4				
Difference, Power, and Discrimination Electives**							

HST-201	History of the United States	44	4				
HST-202	History of the United States	44	4				
HST-203	History of the United States	44	4				
SOC-225	Social Problems	44	4				
Literature and the Arts Electives**							
ART-204	History of Art/Ancient Through Medieval	44	4				
ART-205	History of Art/Romanesque Through Baroque	44	4				
ART-206	History of Art/Enlightenment Through Contemporary	44	4				
ENG-104	Introduction to Literature: Fiction	44	4				
ENG-105	Introduction to Literature: Drama	44	4				
ENG-106	Introduction to Literature: Poetry	44	4				
MUS-105	Music Appreciation	33	3				
Social Processes and Institutions Electives**							
EC-201	Principles of Economics: MICRO	44	4				
HST-103	History of Western Civilization	44	4				
PHL-102	Ethics	44	4				
PS-201	American Government and Politics	44	4				
PS-205	International Relations	44	4				
PSY-200	Introduction to Psychology: Part 1	44	4				
SOC-206	Institutions & Social Change	44	4				
Western Culture Electives**							
ART-204	History of Art/Ancient Through Medieval	44	4				
ART-205	History of Art/Romanesque Through Baroque	44	4				
ART-206	History of Art/Enlightenment Through Contemporary	44	4				
PHL-102	Ethics	44	4				
Horticulture Production & Management Electives							
HOR-123	Landscape Maintenance	44	3				
HOR-124	Food Harvest	44	3				
HOR-224	Landscape Installation	44	3				
HOR-225	Arboriculture I	33	3				
HOR-231	Irrigation Design	44	3				
HOR-236	Insect Identification	20	2				
HOR-237	Disease Identification	20	2				
HOR-240	Irrigation Practices	44	3				
HOR-246	Organic Farming and Gardening	44	2				
Catalog Notes							
*HOR-227 may be substituted for HOR-226 or HOR-228. See Horticulture advisor for other possible substitutions							
**OSU requires students to complete one course in each category with no more than two courses in the same subject. Other options available post-transfer. Work with OSU advisor for course selection.							
<b>TOTAL CURRENT CREDITS:</b>			93-97	<b>TOTAL PROPOSED CREDITS:</b>			91-95
<b>College Contact</b>					<b>Telephone No.</b>		
<b>E-Mail Address</b>					<b>Fax No.</b>		
<b>Chief Academic Officer <i>or</i> CTE Dean Signature</b>						<b>Date</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>	
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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>Digital Media Communications</b> AAS.DMC1	9.0702			<input checked="" type="checkbox"/> <b>AAS</b> (90-108 credits)
<b>Option Title**</b>				<input type="checkbox"/> <b>OPTION</b> to AAS Degree	
<b>Related Certificates:</b> Entry Level Journalist Career Pathway Video Production Technician Career Pathway				<input type="checkbox"/> <b>Certificate of Completion</b>	

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

LAST AMENDMENT APPROVED ON 10.15.21

### 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>		<b>Proposed Total Credits:</b>	<b>90-91</b>
<b>Proposed AAS Title:</b>			
<b>Proposed OPTION Title:</b>			
<b>Proposed Certificate Title:</b>			
<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.]

<b>CURRENT CURRICULUM 22-23</b>				<b>PROPOSED CURRICULUM 23-24</b>			
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>WR-121Z</b>	<b>Composition I</b>	<b>44</b>	<b>4</b>
--	<b>PE/Health/Safety/Fir st 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>	<b>COMM-100Z Or PSY-101</b>	<b>Introduction to Communication or Human Relations</b>	<b>33-44</b>	<b>3-4</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 level math or Computer Science I</b>	<b>44</b>	<b>4</b>	<b>MTH-065 or MTH-050 or higher or CS-161</b>	<b>Algebra II or Technical Mathematics I or higher level Math or Statistics 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	Creative Nonfiction Writing I 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	Introduction to Film	44	4				
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	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, EFA, ENG, FYE, J, MUS, TA, or WR.

<b>TOTAL CURRENT CREDITS:</b>	90	<b>TOTAL PROPOSED CREDITS:</b>	90-91
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<b>College Contact</b>	Nora Brodnicki	<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 <i>or</i> PTE Dean Signature</b>		<b>Date</b>	
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## 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"/> <i>OPTION</i> to AAS Degree	
<b>EFA, Science, Technology, Engineering, and Math (STEM)</b> EFA.STEM				<input checked="" type="checkbox"/> EFA	<b>13</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		<b>Proposed Total Credits:</b>	<b>12</b>
<b>Proposed AAS Title:</b>			
<b>Proposed OPTION Title:</b>			
<b>Proposed Certificate Title:</b>			
<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.]

<b><i>CURRENT CURRICULUM 22-23</i></b>				<b><i>PROPOSED CURRICULUM 23-24</i></b>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
EFA-101S	Introduction to STEM	22	2				
FYE-101	First Year Experience Level I	22	2				
MTH-111	College Algebra	55	5	MTH-111Z	Precalculus I: Functions	44	4
WR-121	English Composition	44	4	WR-121Z	Composition I	44	4
<b>TOTAL <i>CURRENT CREDITS</i>:</b>			13	<b>TOTAL <i>PROPOSED CREDITS</i>:</b>			12

<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>	



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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"/> <i>OPTION</i> to AAS Degree	
<b>EFA, Social Sciences, Human Services &amp; Criminal Justice</b> EFA.SOCHUMSRVCJ				<input checked="" type="checkbox"/> EFA	<b>13-14</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		<b>Proposed Total Credits:</b>	<b>13</b>
<b>Proposed AAS Title:</b>			
<b>Proposed OPTION Title:</b>			
<b>Proposed Certificate Title:</b>			
<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.]

<b><i>CURRENT CURRICULUM 22-23</i></b>				<b><i>PROPOSED CURRICULUM 23-24</i></b>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
EFA-101J	Introduction to the Social Sciences, Human Services and Criminal Justice	22	2				
FYE-101	First Year Experience Level I	11	2				
LIB-101	Introduction to Library Research	11	1				
MTH-098 Or MTH-105 Or MTH-111	College Math Foundations Or Math in Society Or College Algebra	44-55	4-5	MTH-098 Or MTH-105Z Or MTH-111Z	College Math Foundations Or Math in Society Or Precalculus I: Functions	44	4
WR-121	English Composition	44	4	WR-121Z	Composition I	44	4
<b>TOTAL <i>CURRENT</i> CREDITS:</b>			13-14	<b>TOTAL <i>PROPOSED</i> CREDITS:</b>			13

<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>



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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	<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>Electronics Engineering Technology</b> AAS.ELECTRONENGTECH	15.0303			<input checked="" type="checkbox"/> <b>AAS</b> (90-108 credits)
<b>Option Title**</b>				<input type="checkbox"/> <b>OPTION</b> to AAS Degree	
<b>Related Certificates:</b> Electronics Engineering Technology Certificate				<input type="checkbox"/> <b>Certificate of Completion</b>	

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

Last amendment approved on 12/6/19

### 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>		<b>Proposed Total Credits: 95-101</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:	
<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 22-23</b>				<b>PROPOSED CURRICULUM 23-24</b>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Electronics Engineering Technology Associate of Applied Science Degree: 1<sup>st</sup> Year</b>							
<b>First Term</b>							
EET-112	Electronic Equipment and Assembly I	22	1				
EET-137	Electrical Fundamentals I	88	4				
EET-139	Principles of Troubleshooting I	33	2				
EET-157	Digital Logic I	66	3				
SM-150	Semiconductor Processing I	22	2				
<b>WR-121</b>	<b>English Composition</b>	<b>44</b>	<b>4</b>	<b>WR-121Z</b>	<b>Composition I</b>	<b>44</b>	<b>4</b>
<b>Second Term</b>							
EET-113	Electronic Equipment and Assembly II	22	1				
EET-141	Electrical Fundamentals II	88	4				
EET-257	Digital Logic II	66	3				
IMT-120	Industrial Machinery I	66	3				
<b>MTH-111</b>	<b>College Algebra</b>	<b>55</b>	<b>5</b>	<b>MTH-111Z</b>	<b>Precalculus I: Functions</b>	<b>44</b>	<b>4</b>
<b>Third Term</b>							
EET-114	Electronic Equipment and Assembly III	22	1				
EET-142	Electrical Fundamentals III	88	4				
EET-254	Introduction to Microcontrollers	66	3				
IMT-223	Instrumentation & Controls	66	3				
MTH-112	Trigonometry and Pre-Calculus	55	5	MTH-112Z	Precalculus II: Trigonometry	44	4
<b>Electronic Engineering Technology Associate of Applied Science Degree: 2<sup>nd</sup> Year</b>							
<b>Fourth Term</b>							
EET-127	Semiconductor Circuits I	44	2				
EET-215	Technical Mechanics	66	3				
EET-239	Principles of Troubleshooting II	33	2				
<b>MFG-107</b>	<b>Industrial Safety &amp; First Aid</b>	<b>33</b>	<b>3</b>				
HD-209	Job Search Skills	11	1				
--	Electronics Engineering Technology program electives		3-5				
<b>Fifth Term</b>							
CDT-103 Or CDT-108A OR CDT-223	Computer-Aided Drafting I Or Introduction to SolidWorks Or Inventor Fundamentals	66	3				

EET-225	Mechatronics I	44	2				
EET-227	Semiconductor Circuits II	66	3				
EET-233	Programmable Logic Controllers I	33	3				
MFG-209	Programming & Automation for Manufacturing	33	3				
--	Electronics Engineering Technology program electives		3-5				
<b>Sixth Term</b>							
EET-234	Programmable Logic Controllers II	33	3				
EET-235	Mechatronics II	44	2				
EET-250	Linear Circuits	66	3				
SM-280	Electronics & Microelectronics/CWE	72	4				
--	<b>Human Relations requirement (recommended PSY-101)</b>		<b>3</b>				
--	Electronics Engineering Technology program electives		3-5				
<b>Electronics Engineering Technology Program Electives:</b>							
Any course with a CDT, EET, MFG, MET, RET, SM, or WLD prefix not included in the Electronics Engineering Technology program.							
<b>Electronics Engineering Technology Program Recommended Electives:</b>							
CS-140	Introduction to Operating Systems	44	4				
CS-161	Computer Science I	44	4				
MFG-140	Principles of Fluid Power	66	3				
MFG-219	Robotics	66	3				
MTH-251	Calculus I	55	5				
PH-211	General Physics with Calculus	77	5				
PH-212	General Physics with Calculus	77	5				
PH-213	General Physics with Calculus	77	5				
WR-227	Technical Report Writing	44	4	WR-227Z	Technical Writing	44	4
<b>Catalog Notes</b>							
PH-211, 212, 213 and MTH-251 are recommended for students who plan to transfer to Oregon Tech. Oregon Tech will also accept PH-201, 202, and 203. Students should contact Oregon Tech about transferability of these classes.							
<b>Oregon Tech Transfer Courses</b>							
The CCC Industrial Technology Department, in partnership with Oregon Tech, offers a number of transferable classes into Oregon Tech's Electronics Engineering Technology degree program.							

For information contact the Industrial Technology Department,  
503-594-3318.

**TOTAL CURRENT CREDITS:**

97-103

**TOTAL PROPOSED CREDITS:**

95-101

<b>College Contact</b>	Mike Farrell	<b>Telephone No.</b>	1689
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer <i>or</i> PTE Dean Signature</b>		<b>Date</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 (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)			<u>APPROVED</u> Recognition Award	<u>Current</u> Credits
	<u>6-digit CIP</u>	<u>7<sup>th</sup> digit</u>	<u>8<sup>th</sup> digit</u>		
<b>AAS Title:</b> Electronics Engineering Technology 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> <u>Within</u> AAS Degree? <input checked="" type="checkbox"/> Yes** <input type="checkbox"/> No Electronics Engineering Technology CC.ELECTRONENGTECH	15.0303			<input checked="" type="checkbox"/> CC1R Related Certificate (45-60 credits)	48

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

Last amendment approved on 12/06/19

### 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		<b>Proposed Total Credits: 47</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:	
<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 22-23</b>				<b>PROPOSED CURRICULUM 23-24</b>			
Course Number	Course Title	Clock Hours	Credits	Course Number	Course Title	Clock Hours	Credits
<b>First Term</b>							
EET-112	Electronic Equipment and Assembly I	22	1				
EET-137	Electrical Fundamentals I	88	4				
EET-139	Principles of Troubleshooting I	33	2				
EET-157	Digital Logic I	66	3				
SM-150	Semiconductor Processing I	22	2				
<b>WR-121</b>	<b>English Composition</b>	<b>44</b>	<b>4</b>	<b>WR-121Z</b>	<b>Composition I</b>	<b>44</b>	<b>4</b>
<b>Second Term</b>							
EET-113	Electronic Equipment and Assembly II	22	1				
EET-141	Electrical Fundamentals II	88	4				
EET-257	Digital Logic II	66	3				
IMT-120	Industrial Machinery I	66	3				
<b>MTH-111</b>	<b>College Algebra</b>	<b>55</b>	<b>5</b>	<b>MTH-111Z</b>	<b>Precalculus I: Functions</b>	<b>44</b>	<b>4</b>
<b>Third Term</b>							
EET-114	Electronic Equipment and Assembly III	22	1				
EET-142	Electrical Fundamentals III	88	4				
EET-254	Introduction to Microcontrollers	66	3				
IMT-223	Instrumentation & Controls	66	3				
SM-280	Electronics & Microelectronics/CWE	72	2				
--	<b>Human Relations requirement (recommended PSY-101)</b>		<b>3</b>				
<b>Oregon Tech Transfer Courses</b>							
The CCC Industrial Technology Department, in partnership with Oregon Tech, offers a number of transferable classes into Oregon Tech's Electronics Engineering Technology degree program. For information contact the Industrial Technology Department, 503-594-3318.							
<b>TOTAL CURRENT CREDITS:</b>			48	<b>TOTAL PROPOSED CREDITS:</b>			47

<b>College Contact</b>	Mike Farrell	<b>Telephone No.</b>	1689
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>		<b>Date</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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<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> Digital Media Communications 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> <u>Within</u> AAS Degree? <input checked="" type="checkbox"/> Yes** <input type="checkbox"/> No Entry Level Journalist – Career Pathway CC.ELVLJRNLS	9.0702			<input checked="" type="checkbox"/> Career Pathway (12-44)	44

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

LAST AMENDMENT APPROVED ON 2/2/18

### TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

<input type="checkbox"/> New Program++ Title Change for Program	<input checked="" type="checkbox"/> Curriculum Revision	<input checked="" type="checkbox"/> Revision in Program Credits
<i>Proposed AAS Title:</i>		<i>Proposed Total Credits:</i> 44-45
<i>Proposed OPTION Title:</i>		
<i>Proposed Certificate Title:</i>		
<input type="checkbox"/> <b>SUSPENSION</b> of Program	<i>Reason for Suspension:</i>	

## 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 22-23</i></b>				<b><i>PROPOSED CURRICULUM 23-24</i></b>				
Course	Title	Hours	Credits	Course	Title	Hours	Credits	
<b>Fall Term</b>								
DMC-100	Introduction to Media Arts	33	3					
DMC-104	Digital Video Editing	66	4					
J-220	Pod, Broad and Social - Journalism Across Platforms	55	4					
WR-121	English Composition	44	4	WR-121Z	Composition I	44	4	
<b>Winter Term</b>								
COMM-100 or PSY-101	Basic Speech Communication or Human Relations	33	3	COMM-100Z or PSY-101	Introduction to Communication or Human Relations	33-44	3-4	
DMC-230	Documentary Film Production	66	4					
J-215	College Newspaper: Writing & Photography	33	3					
J-216	Writing for Media	44	4					
<b>Spring Term</b>								
DMC-291	Digital Media Communications Portfolio Project I	66	3					
J-134	Photojournalism	44	4					
J-211	Mass Media & Society	44	4					
J-226	Introduction to College Newspaper: Design & Production	44	4					
<b>TOTAL CURRENT CREDITS:</b>			44	<b>TOTAL PROPOSED CREDITS:</b>			44-45	

<b>College Contact</b>	Kelly White	<b>Telephone No.</b>	3034
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>		<b>Date</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>	
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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 (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)			<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	<b>1.0601</b>			<input checked="" type="checkbox"/> <b>AAS</b> (90-108 credits)	<b>95-101</b>
<b>Option Title**</b>				<input type="checkbox"/> <b>OPTION to AAS Degree</b>	
<b>Related Certificates:</b> Horticulture Certificate Irrigation Technician CP Plant Health Management CP				<input type="checkbox"/> <b>Certificate of Completion</b>	

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

LAST AMENDMENT APPROVED ON 5/7/21

### TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

<input type="checkbox"/> <b>New Program++</b>	<b>Curriculum Revision</b>	<input checked="" type="checkbox"/> <b>Revision in Program Credits</b>
<input type="checkbox"/> <b>Title Change for Program</b>		<b>Proposed Total Credits: 96-101</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>		

## 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 22-23</b>				<b>PROPOSED CURRICULUM 23-24</b>			
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				
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>	<b>MTH-050 or MTH-065 or higher level math</b>	<b>Technical Mathematics I or Algebra II or higher level Math or Statistics</b>	<b>44</b>	<b>4-5</b>
Winter Term2							
FYE-101	First Year Experience Level I	22	2				
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 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 WR-121</b>	<b>Communication Skills: Occupational Writing or English Composition</b>	<b>33-44</b>	<b>3-4</b>	<b>WR-101 Or WR-121Z</b>	<b>Communication Skills: Occupational Writing or Composition I</b>	<b>33-44</b>	<b>3-4</b>
Summer Term4							
HOR-281 Or HOR-280	Horticulture/CWE or Horticulture/CWE	180	6				

and HOR-282	and Horticulture/CWE						
Horticulture Associate of Applied Science Degree: 2 <sup>nd</sup> Year							
Fall Term5							
<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>	<b>BA-285 Or COMM- 100Z</b>	<b>Human Relations in Business or Introduction to Communication</b>	<b>44</b>	<b>4</b>
HOR-235 Or HOR-236	Weed Identification or Insect Identification	20	2				
SPN-101	First-Year Spanish I	44	4				
--	Horticulture program electives		3				
--	Production and Management Focus Area		2-3				
Winter Term6							
BA-101	Introduction to Business	44	4				
BA-119	Project Management Practices	22	2				
HOR-231	Irrigation Design	44	3				
HOR-237	Disease Identification	20	2				
--	Horticulture program electives		3				
--	Production and Management Focus Area		3				
Spring Term7							
HOR-240	Irrigation Practices	44	3				
--	Horticulture program electives		8				
--	Production and Management Focus Area		2-4				
Production and Management Focus Area Take any 3 classes from this list. 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 Techniques	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 Take 14 credits from this list							
Summer							
HOR-146	Fruit & Berry Growing	44	3				
HOR-211	Native Plant Identification	10	1				
HOR-284	Organic Farming Practicum/Summer	108	3				
Fall							
HOR-113	Organic Farming Practicum/Fall	55	3				
HOR-124	Food Harvest	44	3				
HOR-130	Plant Propagation Techniques	33	3				
HOR-224	Landscape Installation	44	3				
HOR-225	Arboriculture I	33	3				
HOR-235	Weed Identification	20	2				
HOR-236	Insect Identification	20	2				
HOR-252	Kitchen Herbs	20	1				
HOR-262	Treework Practicum I	66	2				
Winter							
HOR-122	Greenhouse I	44	3				
HOR-131	Tree & Shrub Pruning	44	3				
HOR-136	Organic Farming Practicum/Winter	55	3				
HOR-229	Introduction to Landscape Design	44	3				
HOR-239	Tree Climber Training	24	1				
HOR-251	Herbal Products	20	1				
HOR-260	Arboriculture II	33	3				
HOR-290	Special Topics in Horticulture	66	3				
Spring							
HOR-123	Landscape Maintenance	44	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-135	Propagation of Edible Plants	44	3				
HOR-141	Organic Farming Practicum/Spring	88	4				
HOR-142	Greenhouse II	44	3				
HOR-215	Herbaceous Perennials	44	3				
HOR-234*	Advanced Landscape Design	44	3				

HOR-244*	Ecological Landscape Design	44	3				
HOR-246	Organic Farming and Gardening	44	2				
HOR-250	Herb Growing and Gardening	20	1				
HOR-261	Tree Diagnostics	44	2				
Multiple Terms							
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>			95-101	<b>TOTAL PROPOSED CREDITS:</b>			96-101
<b>College Contact</b>	April Chastain			<b>Telephone No.</b>	3055		
<b>Chief Academic Officer or PTE Dean Signature</b>					<b>Date</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>	
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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				<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)	51-54

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

LAST AMENDMENT APPROVED ON 01/29/21

### 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</i> Total Credits: 52-54
<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:		

## 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 22-23</i></b>				<b><i>PROPOSED CURRICULUM 23-24</i></b>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Fall Term</b>							
HOR-111	Horticulture Practicum/Fall	44	2				
HOR-115	Horticulture Safety	10	1				
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>	<b>MTH-050 Or MTH-065 or higher level math</b>	<b>Technical Mathematics I or Algebra II or higher level Math or Statistics</b>	<b>44</b>	<b>4-5</b>
<b>Winter Term</b>							
FYE-101	First Year Experience Level I	22	2				
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				
<b>Spring Term</b>							
<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>	<b>BA-285 Or COMM- 100Z</b>	<b>Human Relations in Business or Introduction to Communication</b>	<b>44</b>	<b>4</b>
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>Summer Term</b>							
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>WR-101 Or WR-121Z</b>	<b>Communication Skills: Occupational Writing or Composition I</b>	<b>33- 44</b>	<b>3-4</b>
<b>TOTAL CURRENT CREDITS:</b>			51-54	<b>TOTAL PROPOSED CREDITS:</b>			52-54

<b>College Contact</b>	April Chastain	<b>Telephone No.</b>	3055
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer <i>or</i> PTE Dean Signature</b>		<b>Date</b>	



## 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	<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	1.0605			<input checked="" type="checkbox"/> <b>AAS</b> (90-108 credits)
<b>Option Title**</b> Arboriculture				<input type="checkbox"/> <b>OPTION to AAS</b> <b>Degree</b>	
<b>Related Certificates:</b> Landscape Practices Certificate				<input type="checkbox"/> <b>Certificate of</b> <b>Completion</b>	

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

LAST AMENDMENT APPROVED ON 05.21.21

### 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>		<b>Proposed Total Credits: 96-98</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><i>CURRENT CURRICULUM 22-23</i></b>				<b><i>PROPOSED CURRICULUM 23-24</i></b>			
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				
Note: Many of the horticulture courses will also transfer as Lower Division Collegiate (LDC) 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>	<b>MTH-050 Or MTH-065 or higher level math</b>	<b>Technical Mathematics I or Algebra II or higher level Math or Statistics</b>	<b>44</b>	<b>4-5</b>
Winter Term2							
FYE-101	First Year Experience Level I	22	2				
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				
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>	<b>BA-285 Or COMM-100Z</b>	<b>Human Relations in Business or Introduction to Communication</b>	<b>44</b>	<b>4</b>
HOR-120	Pesticide Laws & Safety	12	1				
HOR-140	Soils	33	3				
HOR-143	Horticulture Practicum/Spring	44	2				
HOR-215	Herbaceous Perennials	44	3				
HOR-228	Plant Identification/Spring	44	4				
Summer Term4							
HOR-281 Or HOR-280 And	Horticulture/CWE OR Horticulture/CWE And	180	6				

HOR-282	Horticulture/CWE						
Landscape Management Associate of Applied Science Degree: 2 <sup>nd</sup> Year							
Fall Term5							
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				
<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>WR-101 Or WR-121Z</b>	<b>Communication Skills: Occupational Writing or Composition I</b>	<b>33- 44</b>	<b>3-4</b>
Winter Term6							
BA-119	Project Management Practices	22	2				
HOR-229	Introduction to Landscape Design	44	3				
HOR-230	Equipment Operation & Maintenance	44	2				
HOR-231	Irrigation Design	44	3				
HOR-237	Disease Identification	20	2				
--	Landscape Management program electives		3				
Spring Term7							
BA-101	Introduction to Business	44	4				
HOR-123	Landscape Maintenance	44	3				
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-240	Irrigation Practices	44	3				
--	Landscape Management program electives		3				
Landscape Management Program Electives							
Summer							
HOR-146	Fruit & Berry Growing	44	3				
HOR-211	Native Plant Identification	10	1				
Fall							
HOR-225	Arboriculture I	33	3				
Winter							
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				
Spring							
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*	Advanced Landscape Design	44	3				
HOR-244*	Ecological Landscape Design	44	3				
HOR-246	Organic Farming and Gardening	44	2				
HOR-261	Tree Diagnostics	44	2				
Multiple Terms							
BA-223	Principles of Marketing	44	4				
WET-109	Backflow Assembly Operation and Testing	66	4				
*Offered alternate years							
<b>TOTAL CURRENT CREDITS:</b>			95-98	<b>TOTAL PROPOSED CREDITS:</b>			96-98

<b>College Contact</b>	April Chastain	<b>Telephone No.</b>	3055
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>		<b>Date</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>	
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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)	96-99
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 01.15.21

### 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		<b>Proposed Total Credits: 97-99</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 22-23</b>				<b>PROPOSED CURRICULUM 23-24</b>			
Course	Course Title	Hours	Credits	Course	Course Title	Hours	Credits
1 <sup>st</sup> Year							
Fall Term1							
FYE-101	First Year Experience Level I	22	2				
<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				
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>	<b>BA-285 or COMM-100Z</b>	<b>Human Relations in Business or Introduction to Communication</b>	<b>44</b>	<b>4</b>
HOR-120	Pesticide Laws & Safety	12	1				
HOR-140	Soils	33	3				
HOR-228	Plant Identification/Spring	44	4				
<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>WR-101 Or WR-121Z</b>	<b>Communication Skills: Occupational Writing Or Composition I</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-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 math</b>	<b>44</b>	<b>4-5</b>	<b>MTH-050 or MTH-065 or higher</b>	<b>Technical Mathematics I or Algebra II or higher level Math or Statistics</b>	<b>44</b>	<b>4-5</b>
--	Arboriculture program electives		3				

Winter Term6							
BA-119	Project Management Practices	22	2				
HOR-229	Introduction to Landscape Design	44	3				
HOR-237	Disease Identification	20	2				
HOR-260	Arboriculture II	33	3				
--	Arboriculture program electives		3				
Spring Term7							
HOR-123	Landscape Maintenance	44	3				
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				
Summer Term8							
HOR-281	Horticulture/CWE	180	6				
Arboriculture Program Electives							
Summer							
HOR-146	Fruit & Berry Growing	44	3				
Fall							
HOR-224	Landscape Installation	44	3				
HOR-235	Weed Identification	20	2				
HOR-264	Treework Practicum II (Aerial)	66	2				
Winter							
HOR-231	Irrigation Design	44	3				
HOR-290	Special Topics in Horticulture	66	3				
Spring							
HOR-240	Irrigation Practices	44	3				
HOR-244*	Ecological Landscape Design	44	3				
Multiple Terms							
BA-101	Introduction to Business	44	4				
SPN-101	First-Year Spanish I	44	4				
Catalog Notes							
*Offered alternate years							
**Course may be waived with current CPR certification							
<b>TOTAL CURRENT CREDITS:</b>			96-99	<b>TOTAL PROPOSED CREDITS:</b>			97-99

<b>College Contact</b>	April Chastain	<b>Telephone No.</b>	3055
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>		<b>Date</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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<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"/> <b>OPTION to AAS</b> <b>Degree</b>	
<b>Certificate Title:</b> <u>Within</u> AAS Degree? <input type="checkbox"/> Yes** <input type="checkbox"/> No				<input type="checkbox"/> <b>Certificate of</b> <b>Completion</b>	

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

Last amendment approved on 05.21.21

### 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>		<b>Proposed Total Credits: 95-97</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 22-23</b>				<b>PROPOSED CURRICULUM 23-24</b>			
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	44	2				
*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	44	2				
*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 level math</b>	<b>44</b>	<b>4-5</b>	<b>MTH-050 Or MTH-065 Or higher</b>	<b>Technical Mathematics I or Algebra II or higher level Math or Statistics</b>	<b>44</b>	<b>4-5</b>
MUP-150	Contemporary Music Ensemble	44	2				
*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>	<b>COMM-100Z</b>	<b>Introduction to Communication</b>	<b>44</b>	<b>4</b>
MUP-150	Contemporary Music Ensemble	44	2				
*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	11	1				
Winter Term							
MUP-150	Contemporary Music Ensemble	44	2				
*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	11	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>	<b>WR-101 Or WR-121Z</b>	<b>Communication Skills: Occupational Writing or Composition I</b>	<b>33-44</b>	<b>3-4</b>
Spring Term							
MUP-150	Contemporary Music Ensemble	44	2				
*MUP-271-291	Individual Lessons	20	2				

Or MUP-271J-291J Or MUP-271R-291R	Or Ind Lessons/Jazz Or Ind Lessons/Rock						
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	11	1				
MUS-280	Music/CWE	72	2				
Catalog Notes							
*Lessons must be in same instrument discipline, but may be in different styles.							
<b>TOTAL CURRENT CREDITS:</b>			94-96	<b>TOTAL PROPOSED CREDITS:</b>			95-97

<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>



## 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>				<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 type="checkbox"/> Yes** <input checked="" type="checkbox"/> No <b>Music Technology</b> CC.MUSICTECH	10.0203			<input checked="" type="checkbox"/> CC1 (45-60 credits)	51-54

\*\*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 type="checkbox"/> Curriculum Revision	<input checked="" type="checkbox"/> Revision in Program Credits
<input type="checkbox"/> Title Change for Program		<i>Proposed Total Credits:</i> <b>52-54</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>		

## 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 22-23</b>				<b>PROPOSED CURRICULUM 23-24</b>			
<b>Course</b>	<b>Title</b>	<b>Hours</b>	<b>Credits</b>	<b>Course</b>	<b>Title</b>	<b>Hours</b>	<b>Credits</b>
<b>Fall Term</b>							
MUS-107	Introduction to Audio Recording I	33	3				
MUS-141	Introduction to the Music Business	33	3				
MUS-142	Introduction to Electronic Music I: MIDI	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>	<b>WR-101 Or WR-121Z</b>	<b>Communication Skills: Occupational Writing or Composition I</b>	<b>33-44</b>	<b>3-4</b>
--	Music Technology program basics		3				
--	Music Technology program electives		2				
<b>Winter Term</b>							
<b>COMM-100 Or COMM-126 Or COMM-140 Or COMM-218</b>	<b>Basic Speech Communication or Introduction to Gender Communication or Introduction to Intercultural Communication Or Interpersonal Communication</b>	<b>33-44</b>	<b>3-4</b>	<b>COMM-100Z Or COMM-126 Or COMM-140 Or COMM-218Z</b>	<b>Introduction to Communication or Introduction to Gender Communication or Introduction to Intercultural Communication Or Interpersonal Communication</b>	<b>44</b>	<b>4</b>
<b>MTH-050 Or MTH-065 or higher</b>	<b>Technical Mathematics I or Algebra II or higher level math</b>	<b>44-55</b>	<b>4-5</b>	<b>MTH-050 Or MTH-065 or higher</b>	<b>Technical Mathematics I or Algebra II or higher level Math or Statistics</b>	<b>44-55</b>	<b>4-5</b>
MUS-108	Introduction to Audio Recording II	33	3				
MUS-140	Careers in Music	33	3				
MUS-143	Introduction to Electronic Music II: Sequencing, Audio Looping, Sound EFX	33	3				
--	Music Technology program basics		3				
--	Music Technology program electives		2				
<b>Spring Term</b>							



MUS-109	Introduction to Audio Recording III	33	3				
MUS-144	Introduction to Electronic Music III: Digital Audio	33	3				
MUS-280	Music/CWE	72	2				
--	Music Technology program basics		3				
--	Music Technology program electives		2				
<b>Music Technology Program Basics</b>							
MUP-100	Individual Lessons: Non-Music Majors	11	1				
MUS-101	Music Fundamentals	33	3				
MUS-102	Music Fundamentals	33	3				
MUS-103	Music Fundamentals	33	3				
MUS-105	Music Appreciation	33	3				
MUS-111	Music Theory I	33	3				
MUS-112	Music Theory I	33	3				
MUS-113	Music Theory I	33	3				
MUS-131	Group Piano: Piano for Pleasure	22	1				
MUS-132	Group Piano: Piano for Pleasure	22	1				
MUS-133	Group Piano: Piano for Pleasure	22	1				
MUS-134	Group Voice: Anyone Can Sing	22	1				
MUS-135	Group Voice: Anyone Can Sing	22	1				
MUS-136	Group Voice: Anyone Can Sing	22	1				
MUS-137	Group Guitar I	22	1				
MUS-138	Group Guitar II	22	1				
MUS-205	Music Literature: History of Jazz	44	4				
MUS-206	Music Literature: History of Rock	44	4				
<b>Music Technology Program Electives</b>							
MUP-100	Individual Lessons: Non-Music Majors	11	1				
MUP-102	Wind Ensemble	44	2				
MUP-104	Pep Band/Combo-Improv	22	1				
MUP-105	Jazz Ensemble	44	2				
MUP-122	Chamber Choir	44	2				
MUP-125	Vocal Jazz Ensemble: Mainstream	44	2				
MUP-141	College Orchestra	22	1				
MUP-150	Contemporary Music Ensemble	44	2				
MUP-241	College Orchestra	22	1				

MUS-101	Music Fundamentals	33	3				
MUS-102	Music Fundamentals	33	3				
MUS-103	Music Fundamentals	33	3				
MUS-105	Music Appreciation	33	3				
MUS-106	Audio Recording at Home	11	1				
MUS-131	Group Piano: Piano for Pleasure	22	1				
MUS-132	Group Piano: Piano for Pleasure	22	1				
MUS-133	Group Piano: Piano for Pleasure	22	1				
MUS-134	Group Voice: Anyone Can Sing	22	1				
MUS-135	Group Voice: Anyone Can Sing	22	1				
MUS-136	Group Voice: Anyone Can Sing	22	1				
MUS-137	Group Guitar I	22	1				
MUS-138	Group Guitar II	22	1				
MUS-145	Introduction to Digital Sound, Video & Animation	33	3				
MUS-147	Music, Sound & Moviemaking	11	1				
MUS-148	Live Sound Engineering	33	3				
MUS-149	Advanced Pro Tools Editing Techniques	11	1				
MUS-160	Songwriting I	22	2				
MUS-161	Songwriting II	22	2				
MUS-170	Introduction to Scoring Music for Media	22	2				
MUS-171	Sound Design	22	2				
MUS-205	Music Literature: History of Jazz	44	4				
MUS-206	Music Literature: History of Rock	44	4				
MUS-247	Sound for Media	33	3				
<b>TOTAL CURRENT CREDITS:</b>			51-54	<b>TOTAL PROPOSED CREDITS:</b>			52-54

<b>College Contact</b>	Brian Rose	<b>Telephone No.</b>	3340
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>		<b>Date</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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<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>Option Title**</b>				<input type="checkbox"/> <b>OPTION</b> to AAS Degree	
<b>Certificate Title:</b> <i>Within</i> AAS Degree? <input type="checkbox"/> Yes** <input checked="" type="checkbox"/> No <b>Organic Farming</b> CC.ORGANICFARM	<b>1.0304</b>			<input checked="" type="checkbox"/> <b>CC1</b> (45-60 credits)	<b>52-56</b>

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

LAST AMENDMENT APPROVED ON 05.06.22

### TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

<input type="checkbox"/> <b>New Program++</b>	<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</i> Total Credits: <b>53-56</b>
<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>	
<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 22-23</b>				<b>PROPOSED CURRICULUM 23-24</b>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Fall Term</b>							
HOR-113	Organic Farming Practicum/Fall	55	3				
HOR-124	Food Harvest	44	3				
HOR-223	Applied Plant Science	44	4				
<b>MTH-050 Or MTH-065 Or higher</b>	<b>Technical Mathematics I or Algebra II or higher level math</b>	<b>44- 55</b>	<b>4-5</b>	<b>MTH-050 Or MTH-065 Or higher</b>	<b>Technical Mathematics I or Algebra II or higher level Math or Statistics</b>	<b>44- 55</b>	<b>4-5</b>
--	Organic Farming program electives		2				
<b>Winter Term</b>							
<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>	<b>BA-285 Or COMM-100Z</b>	<b>Human Relations in Business or Introduction to Communication</b>	<b>44</b>	<b>4</b>
HOR-136	Organic Farming Practicum/Winter	55	3				
HOR-216	Integrated Pest Management	33	3				
HOR-230	Equipment Operation & Maintenance	44	2				
<b>Spring Term</b>							
HOR-135	Propagation of Edible Plants	44	3				
HOR-140	Soils	33	3				
HOR-141	Organic Farming Practicum/Spring	88	4				
--	Organic Farming program electives		3-4				
<b>Summer Term</b>							
HOR-146	Fruit & Berry Growing	44	3				
HOR-284	Organic Farming Practicum/Summer	108	3				
HOR-285	Organic Farming/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>WR-101 Or WR-121Z</b>	<b>Communication Skills: Occupational Writing or Composition I</b>	<b>33- 44</b>	<b>3-4</b>
<b>Organic Farming Program Electives</b>							
BA-223	Principles of Marketing	44	4				
BA-270	Social Media Marketing	44	4				
HOR-235	Weed Identification	20	2				

HOR-236	Insect Identification	20	2				
HOR-237	Disease Identification	20	2				
HOR-240	Irrigation Practices	44	3				
HOR-246	Organic Farming and Gardening	44	2				
<b>TOTAL CURRENT CREDITS:</b>			52-56	<b>TOTAL PROPOSED CREDITS:</b>			53-56

<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>



## 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

<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
	<u>6-digit CIP</u>	<u>7<sup>th</sup> digit</u>	<u>8<sup>th</sup> digit</u>		
<b>Parent AAS Title:</b>				<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> <u>Within</u> AAS Degree? <input checked="" type="checkbox"/> Yes** <input type="checkbox"/> No <b>Part Time Welding</b> CC.PTWELDING	58			<input type="checkbox"/> CC (12-30 Credits)	14

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

New program approved on 12.02.22

### TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

<input type="checkbox"/> <b>New Program++</b>	<b>Curriculum Revision</b>	<b>Revision in Program Credits</b>	
<input type="checkbox"/> <b>Title Change for Program</b>		<i>Proposed</i> Total Credits:	<b>15</b>
<b>Proposed AAS Title:</b>			
<b>Proposed OPTION Title:</b>			
<b>Proposed 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><i>CURRENT CURRICULUM 22-23</i></b>				<b><i>PROPOSED CURRICULUM 23-24</i></b>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>First Term</b>							
WLD-100	Welder's Print Reading I	33	3				
WLD-150	Welding Processes	88	4				
<b>Second Term</b>							
COMM-100	Basic Speech Communication	33	3	COMM-100Z	Introduction to Communication	44	4
WLD-111A Or WLD-113A Or WLD-115A	Shielded Metal Arc Welding (Stick) Or Gas Metal Arc Welding/Flux Core Arc Welding (Wirefeed) Or Gas Tungsten Arc Welding (GTAW)	88	4				
<b>TOTAL CURRENT CREDITS:</b>			14	<b>TOTAL PROPOSED CREDITS:</b>			15

<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>	



## 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 checked="" 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 (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)			<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> Digital Media Communications 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 Video Production Technician – Career Pathway CC.VIDEOPRODTECH	9.0702			<input checked="" type="checkbox"/> Career Pathway (12-44)	36

\*\*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"/> 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:</b> 36-37
<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:	
<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><i>CURRENT CURRICULUM 22-23</i></b>				<b><i>PROPOSED CURRICULUM 23-24</i></b>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Fall Term</b>							
DMC-100	Introduction to Media Arts	33	3				
DMC-104	Digital Video Editing	66	4				
DMC-247 Or MUS-247	Sound for Media Or Sound for Media	33	3				
DMC-264	Digital Filmmaking	66	4				
<b>Winter Term</b>							
COMM-100 Or PSY-101	Basic Speech Communication or Human Relations	33	3	COMM-100Z Or PSY-101	Introduction to Communication or Human Relations	33-44	3-4
DMC-106	Animation & Motion Graphics I	66	3				
WR-121	English Composition	44	4	WR-121Z	Composition I	44	4
<b>Spring Term</b>							
BA-101	Introduction to Business	44	4				
DMC-242	Field Recording for Media	10	1				
DMC-291 Or DMC-292	Digital Media Communications Portfolio Project I Or Digital Media Communications Portfolio Project II	66	3				
WR-262	Introduction to Screenwriting	44	4				
<b>TOTAL CURRENT CREDITS:</b>			36	<b>TOTAL PROPOSED CREDITS:</b>			36-37

<b>College Contact</b>	Nora Brodnicki	<b>Telephone No.</b>	3034
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>		<b>Date</b>	

Program	Implementation
AA Degree, Oregon Transfer	2023/SU
AA Degree, Oregon Transfer Elementary Education	2023/SU
AA Degree, Transfer English Literature	2023/SU
AAS, Accounting	2023/SU
AAS, Administrative Professional	2023/SU
AAS, Auto Body/Collision Repair and Refinishing Technology	2023/SU
AAS, Automotive Service Technology	2023/SU
AAS, Business	2023/SU
AAS, Computer & Network Administration	2023/SU
AAS, Criminal Justice	2023/SU
AAS, Criminal Justice, Corrections Option	2023/SU
AAS, Early Childhood Education & Family Studies	2023/SU
AAS, Emergency Management Professional	2023/SU
AAS, Human Services Generalist	2023/SU
AAS, Nursing (RN)	2023/SU
AAS, Project Management	2023/SU
AAS, Renewable Energy Technology	2023/SU
AAS, Water & Environmental Technology	2023/SU
AAS, Web Design & Development	2023/SU
AAS, Wildland Fire Management	2023/SU
AS Degree, Transfer Biology	2023/SU
AS Degree, Transfer Business	2023/SU
AS, Architectural Engineering, OSU	2023/SU
AS, Biological Engineering, OSU	2023/SU
AS, Biology, OSU	2023/SU
AS, Biology, PSU	2023/SU
AS, Biology, UofO	2023/SU
AS, Chemical Engineering, OSU	2023/SU
AS, Civil Engineering, OSU	2023/SU
AS, Civil Engineering, PSU	2023/SU
AS, Computer Engineering, PSU	2023/SU
AS, Computer Science, PSU	2023/SU
AS, Construction Engineering Management, OSU	2023/SU
AS, Ecological Engineering, OSU	2023/SU
AS, Electrical Engineering, OIT	2023/SU
AS, Electrical Engineering, OSU	2023/SU
AS, Electrical Engineering, PSU	2023/SU
AS, English, OSU	2023/SU
AS, English, PSU	2023/SU
AS, English, UofO	2023/SU
AS, Environmental Engineering, OSU	2023/SU
AS, Environmental Engineering, PSU	2023/SU
AS, Industrial/Manufacturing Engineering, OSU	2023/SU
AS, Mechanical Engineering, OIT	2023/SU
AS, Mechanical Engineering, OSU	2023/SU

AS, Mechanical Engineering, PSU	2023/SU
AS, Music, PSU	2023/SU
AS, Oregon Transfer - Business	2023/SU
AS, Oregon Transfer, Computer Science	2023/SU
AS, Renewable Energy Engineering, OIT	2023/SU
Associate of General Studies	2023/SU
CC, Accounting Clerk	2023/SU
CC, Administrative Assistant	2023/SU
CC, Business Management	2023/SU
CC, Computer & Network Administration	2023/SU
CC, Computer Application Specialist	2023/SU
CC, Dental Assistant	2023/SU
CC, Early Childhood Education & Family Studies	2023/SU
CC, Emergency Medical Technology	2023/SU
CC, Fitness Technology	2023/SU
CC, Gerontology	2023/SU
CC, Healthcare Careers	2023/SU
CC, Human Resource Management	2023/SU
CC, Human Services Generalist	2023/SU
CC, Juvenile Corrections	2023/SU
CC, Management Fundamentals	2023/SU
CC, Marketing	2023/SU
CC, Medical Assistant	2023/SU
CC, Medical Billing and Coding	2023/SU
CC, Project Management Leadership & Communication	2023/SU
CC, Renewable Energy Technology	2023/SU
CC, Water & Environmental Technology	2023/SU
CC, Web Design	2023/SU
CC, Wildland Fire Science	2023/SU
EFA, Business	2023/SU
EFA, Creative Arts, Communication & Humanities	2023/SU
EFA, Health Professions	2023/SU
EFA, Teaching & Education	2023/SU
Oregon Transfer Module	2023/SU
AA Degree, Oregon Transfer	2023/SU

## AA.OTELEMED

### Associate of Arts Oregon Transfer Degree (AAOT) - Elementary Education

last amendment approved on 02.18.22

Requirements	Courses
Writing 8 credits, information literacy will be included in the Writing Requirement.	<b>WR-121Z &amp; 122Z</b>
Oral Communication - 1 course	<b>COMM-111Z</b>
Mathematics - 3 courses	<b>MTH-211, 212, and 213</b>
Health at least 3 credits.	<b>HPE-295</b>
<b>GENERAL EDUCATION DISTRIBUTION AREA</b>  Arts & 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>	<b>ENG-104, 105 or 106</b> and <b>ART-115 or 131</b> and <b>1 course from the following:</b> (200-level world languages recommended)  <b>ART-101, 115, 117, 131, 204*, 205*, 206*, 232, 233, 250, 251, 252, 253, 254, 255, 257, 281, 282, 283, 284, 285, 286, 291, 292, 293</b> <b>ASL-201*, 202*, 203*</b> <b>BA-130</b> <b>COMM-112, 126*, 140*, 212, 218Z*, 219*, 227</b> <b>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*, 270, 271*, 272*, 273*, 295*, 296</b> <b>FR-201*, 202*, 203*</b> <b>HUM-235*, 237*, 240*, 241*, 242*</b> <b>J-211, 216</b> <b>MUS-105, 111, 112, 113, 205, 206*, 211, 212, 213</b> <b>PHL-101*, 102*, 103*, 205*, 210*, 213*, 216*</b> <b>R-101*, 102*, 103*, 204*, 210*, 211*, 212*</b> <b>SPN-201*, 202*, 203*</b> <b>SSC-237*</b> <b>TA-101, 102, 103, 111, 122, 123, 141, 142, 143, 153</b> <b>WR-240, 241*, 242, 243, 244*, 245, 247, 248, 262, 263, 265, 270</b> <b>WS-101*</b>
<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>	<b>HST-201*, 202*, or 203*</b> and <b>ANT-103* or GEO-110*</b> and <b>PS-201</b> and <b>PSY-200, 205*, or 215</b>

<p><b>GENERAL EDUCATION DISTRIBUTION AREA</b></p> <p>Science/Math/Computer Science</p> <ul style="list-style-type: none"> <li>• 3 courses</li> <li>• Each course must be at least 4 credits</li> </ul>	<p>BI-101, 102 or 103 and G-101, 102, or 103 and GS-104, 105, 106 or any of the following AAOT science lab courses:</p> <p>ASC-175, 176, 177 BI-101, 102, 103, 112, 160L, 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, 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>Cultural Literacy - 1 course</p>	<p>Courses meeting this requirement are noted with an asterisk* ( from distribution lists)</p>
<p><b>Elementary Education Specific Requirements</b></p> <p><b>5 courses</b></p> <p>Each public university will accept at least 3 out of the 5 courses as meeting major requirements. One of those 3 must be ED-216.</p>	<p>ED-169, 216, 229, 258, and 101 or 280</p>
<p>Elective Courses</p> <p>Any college-level course that would bring total credits to 90 credits.</p>	<p>Recommended Courses: ED-150 or ECE prefixed courses</p> <p>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, see catalog for a listing of courses that may be included.</p>

See course descriptions for course requisites.

Note: No course may be used to satisfy more than one requirement or distribution area.

## 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-121Z and either 122Z, or 227Z</p>
<p>Oral Communication - 1 course</p>	<p>COMM-111Z</p>
<p>Mathematics - 1 course</p>	<p>MTH-105Z, 111Z, 112Z, 211, 212, 213, <del>243</del>, 244, 251, 252, 253, 254, 256, 261 STAT-243Z</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, 261 HPE-295</p>
<p><b>GENERAL EDUCATION DISTRIBUTION AREA</b>  Arts &amp; Letters</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, 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, 218Z*, 219*, 227 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*, 270, 271*, 272*, 273*, 295*, 296 FR-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-240, 241*, 242, 243, 244*, 245, 247, 248, 262, 263, 265, 270 WS-101*</p>
<p><b>GENERAL EDUCATION DISTRIBUTION AREA</b>  Social Science</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*, 232* CJA-101, 201 EC-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</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>• 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, 148, 201, 202, 203 GS-104, 105, 106, 107 MTH-105Z, 111Z, 112Z, 211, 212, 213, <del>243</del>, 244, 251, 252, 253, 254, 256, 261 PH-121, 122, 123, 201, 202, 203, 211, 212, 213 STAT-243Z 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, for a listing of courses that may be included.

*\* Course meets Cultural Literacy requirement.*

*See course descriptions, for course requisites.*

**Note: No course may be used to satisfy more than one requirement or distribution area.**

# Associate of Arts Transfer Degree (AAT) - English Literature (AA.ENGLIT)

last amendment approved on 04.01.22

Requirements	Courses
<i>Choose from the following courses to meet degree requirements. All courses must be passed with a C or better.</i>	
<b>Writing</b> 2 courses, information literacy will be included in the Writing Requirement.	<b>WR-121Z and 122Z</b>
<b>Literature</b> 2 courses At PSU up to 12 credits of 200-level English Literature can count towards the major	<b>ENG-204, 205, 253 or 254</b> and Any 200-Level English Course
<b>Mathematics - 1 course</b> not required at PSU for the BA; will count toward UNST placement	<b>MTH-105Z</b> or higher level Math or <b>Statistics</b>
<b>GENERAL EDUCATION DISTRIBUTION AREA</b>	
<b>Arts &amp; Letters</b> <ul style="list-style-type: none"> <li>• Take two 200-level literature courses</li> <li>• Each course must be at least 3 credits.</li> </ul> <p style="font-size: small; margin-top: 10px;">                     - If students take American or British survey courses they will count toward major requirements at WOU                      - At OSU these courses only count toward the major and students will need to take another Arts and Letters course                      - At EOU, SOU, UO &amp; PSU these courses also count toward major requirements (at PSU up to 12 credits of 200-level English literature can count toward the major)                 </p>	<b>ENG-201, 202, 204, 205, 213*, 218, 226, 240*, 241*, 250*, 251*, 252*, 253, 254, 255, 260, 261*, 270, 271*, 272*, 273*, 295*, 296</b>
<b>GENERAL EDUCATION DISTRIBUTION AREA</b>	
<b>Social Science</b> <ul style="list-style-type: none"> <li>• Take 2 courses</li> <li>• Each course must be at least 3 credits.</li> </ul>	<b>ANT-101, 102*, 103*, 232*</b> <b>CJA-101, 201</b> <b>EC- 201, 202</b> <b>GEO-100*, 110*, 130*, 208*</b> <b>HE-163, 164</b> <b>HST-101*, 102*, 103*, 130*, 131*, 132*, 136*, 137*, 138*, 201*, 202*, 203*</b> <b>HUM-237*</b> <b>PS-200*, 201, 203, 204, 205, 225, 297</b> <b>PSY-200, 205*, 215, 219*, 231*</b> <b>SOC-204*, 205*, 206*, 210*, 225*</b> <b>SSC-235*, 237*, 240*, 241*, 242*</b> <b>WS-101*</b>
<b>GENERAL EDUCATION DISTRIBUTION AREA</b>	
<b>Natural Science</b> <ul style="list-style-type: none"> <li>• Take 2 lab science courses</li> <li>• Each course must be at least 4 credits.</li> </ul> <p style="font-size: small; margin-top: 10px;">                     At PSU the second Natural Lab Science course counts towards UNST placement                 </p>	<b>ASC-175, 176, 177</b> <b>BI-101, 102, 103, 112, 160L, 165CL, 165D, 175, 176, 177, 204, 211, 212, 213, 231, 232, 233, 234</b> <b>CH-104, 105, 106, 112, 114, 221, 222, 223</b> <b>ESR-171, 172, 173</b> <b>G-101, 102, 103, 148, 201, 202, 203</b> <b>GS-104, 105, 106, 107</b> <b>PH-121, 122, 123, 201, 202, 203, 211, 212, 213</b> <b>Z-201, 202, 203</b>
<b>Cultural Literacy - 1 course</b>	Courses meeting the Cultural Literacy requirement are noted with an asterisk.
<b>World Languages</b>	<b>ASL-203*</b> or <b>FR- 203*</b> or <b>SPN-203*</b>



<p><b>Elective Courses</b> Any college-level course that would bring total credits to 90 credits.</p> <p>Students should take courses to satisfy their minor of choice that will transfer to the Oregon public university of their choice. Please work with an English Department Advisor to identify possible courses to satisfy a specific minor at a partnering institution.</p> <p>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, for a listing of courses that may be included</p>	<p>Recommended: <b>COMM-111Z</b> <b>ENG-104, 105, 106, 116, 121, 130, 194, 195, 230</b> <b>WR-140, 240, 241*, 242, 243, 244*, 245, 246, 247, 248, 250, 262, 263, 265, 268, 270</b> Or Any Philosophy (<b>PHL</b>), Music or Theater appreciation (<b>MUS, MUP, TA</b>), US History (<b>HST</b>), or additional Biological (<b>BI</b>) or Physical Science courses.</p>
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\*Course meets Cultural Literacy requirement.  
See course descriptions for course requisites.  
No course may be used to satisfy more than one requirement or distribution area.



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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</b> AAS.ACCNTG	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 4/15/22

### 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> _____
<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>CURRENT CURRICULUM 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
1 <sup>st</sup> Year							
Fall Term							
BA-101	Introduction to Business	44	4				
BA-111	General Accounting I	33	3				
BA-131	Introduction to Business Computing	44	4				
<b>MTH-050*</b>	<b>Technical Mathematics I</b>	<b>44</b>	<b>4</b>				
Winter Term							
BA-112	General Accounting II	44	4				
BA-177	Payroll Accounting	33	3				
CS-135S	Microsoft Excel	33	3				
<b>WR-121</b>	<b>English Composition</b>	<b>44</b>	<b>4</b>	<b>WR-121Z</b>	<b>Composition I</b>	<b>44</b>	<b>4</b>
--	<b>PE/Health/Safety/First Aid requirement</b>		<b>1</b>				
Spring Term							
BA-205	Business Communications with Technology	44	4				
BA-211	Financial Accounting	44	4				
<b>BA-285</b>	<b>Human Relations in Business</b>	<b>44</b>	<b>4</b>				
EC-201	Principles of Economics: MICRO	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	WR-227Z	Technical Writing	44	4
Winter Term							
BA-216	Cost Accounting	44	4				
BA-256	Income Tax Accounting	44	4				
---	Program Electives		6				
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	Governmental and Nonprofit Accounting	44	4				
Accounting Program Electives							

Any Business Administration (BA), Business Technology (BT), Computer Science (CS), or Economics (EC) course not included in the Accounting program or FYE-101, MTH-105, MTH-243, or LIB-101	Any Business Administration (BA), Business Technology (BT), Computer Science (CS), or Economics (EC) course not included in the Accounting program or FYE-101, <b>MTH-105Z, STAT-243Z</b> , or LIB-101
*or higher, based on advising placement. Substitute college transfer courses for these courses if you plan to continue your education at a higher education institution. It is recommended that you consult with a faculty or academic advisor for the transfer requirements of the specific advanced program or school.	
<b>TOTAL CURRENT CREDITS:</b>	<b>TOTAL PROPOSED CREDITS:</b>
90	

<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 <i>or</i> PTE Dean Signature</b>		<b>Date</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 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 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 Accounting Clerk CC.ACNTGLERK	52.0302	J	*	<input type="checkbox"/> CC1R Related Certificate (45-60 credits)	45-48

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

LAST AMENDMENT APPROVED ON 4/15/22

### TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

<input type="checkbox"/> New Program++	Curriculum Revision	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>		
Suspension Effective Date:			

## CURRICULUM AMENDMENT

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

<i>CURRENT CURRICULUM 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
First Term							
BA-101	Introduction to Business	44	4				
BA-111	General Accounting I	33	3				
BA-131	Introduction to Business Computing	44	4				
<b>MTH-050*</b>	<b>Technical Mathematics I</b>	<b>44</b>	<b>4</b>				
Second Term							
BA-112	General Accounting II	44	4				
BA-177	Payroll Accounting	33	3				
CS-135S	Microsoft Excel	33	3				
<b>WR-121</b>	<b>English Composition</b>	<b>44</b>	<b>4</b>	<b>WR-121Z</b>	<b>Composition I</b>	<b>44</b>	<b>4</b>
---	Program Electives		1-4				
Third Term							
BA-211	Financial Accounting	44	4				
BA-228	Computerized Accounting	33	3				
<b>BA-285</b>	<b>Human Relations in Business</b>	<b>44</b>	<b>4</b>				
EC-201	Principles of Economics: MICRO	44	4				
Accounting Clerk Program Electives							
Any Business Administration (BA) or Business Technology (BT) course not included in the Accounting Clerk program or FYE-101 or LIB-101							
Catalog Notes							
* or higher, based on advising placement. Substitute college transfer courses for these courses if you plan to continue your education at a higher education institution. It is recommended that you consult with a faculty or academic advisor for the transfer requirements of the specific advanced program or school.							
Courses in this program can be applied to satisfy elective requirements in the Business AAS degree.							
<b>TOTAL CURRENT CREDITS:</b>			45-48	<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>	



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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		
<b>Parent AAS Title:</b> <b>Administrative Professional AAS</b>				<input type="checkbox"/> AAS	
<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 <b>Administrative Assistant</b> CC.ADMINASST	<b>52.0401</b>			<input checked="" type="checkbox"/> CC1R Related Certificate (45-60 credits)	<b>45-46</b>

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

Last amendment approved on 02.04.22

### 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>
<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>		

## 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 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Fall Term							
<b>BA-104</b>	<b>Business Math</b>	<b>33</b>	<b>3</b>				
BA-131	Introduction to Business Computing	44	4				
BT-120	Personal Keyboarding	33	2				
BT-121	Data Entry	11	1				
<b>*WR-121</b>	<b>English Composition</b>	<b>44</b>	<b>4</b>	<b>*WR-121Z</b>	<b>Composition I</b>	<b>44</b>	<b>4</b>
Winter Term							
BA-111 Or BA-211	General Accounting I or Financial Accounting	33-44	3-4				
BT-122	Keyboarding Skillbuilding	33	2				
BT-124	Business Editing I	33	3				
BT-160	Word I	55	3				
BT-216	Office Procedures	44	4				
Spring Term							
BA-270	Social Media Marketing	44	4				
<b>BA-285</b>	<b>Human Relations in Business</b>	<b>44</b>	<b>4</b>				
BT-125	Business Editing II	33	3				
BT-161	Word II	55	3				
BT-174	Microsoft Digital Tools for the Professional	22	2				
Catalog Notes							
*This course will be removed from the first term IF the student is required to enroll in FYE-101. WR-121 will be rescheduled in a term conducive to a student's preference.				*This course will be removed from the first term IF the student is required to enroll in FYE-101. WR-121Z will be rescheduled in a term conducive to a student's preference.			
<b>TOTAL CURRENT CREDITS:</b>			45-46	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Bev Forney	<b>Telephone No.</b>	3115
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>		<b>Date</b>	





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<b>College:</b>	<b>Clackamas Community College</b>	<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
<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	<input checked="" type="checkbox"/> <b>Statewide AAS (90-108 credits)</b>	<b>90-91</b>
	<b>AAS Title:</b> <b>Administrative Professional</b> AAS.ADMINPRO	<b>52.0401</b>			
<b>Option Title**</b>				<input type="checkbox"/> <b>Certificate of Completion</b>	
<b>Related Certificates:</b> Administrative Assistant Certificate Administrative Assistant Training Certificate					

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

Last amendment approved on 02.04.22

### 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>
<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>CURRENT CURRICULUM 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
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-131	Introduction to Business Computing	44	4				
<b>*WR-121</b>	<b>English Composition</b>	<b>44</b>	<b>4</b>	<b>*WR-121Z</b>	<b>Composition I</b>	<b>44</b>	<b>4</b>
Winter Term							
BA-111 or BA-211	General Accounting I or Financial Accounting	33-44	3-4				
BT-120	Personal Keyboarding	33	2				
BT-121	Data Entry	11	1				
BT-124	Business Editing I	33	3				
BT-160	Word I	55	3				
Spring Term							
BA-270	Social Media Marketing	44	4				
BT-122	Keyboarding Skillbuilding	33	2				
BT-125	Business Editing II	33	3				
BT-174	Microsoft Digital Tools for the Professional	22	2				
CS-135S	Microsoft Excel	33	3				
--	<b>PE/Health/Safety/Fire t Aid requirement</b>		<b>1</b>				
2 <sup>nd</sup> Year							
Fall Term							
BA-205	Business Communications with Technology	44	4				
BA-226	Business Law I	44	4				
<b>BA-285</b>	<b>Human Relations in Business</b>	<b>44</b>	<b>4</b>				
BT-262	Integrated Projects	66	4				
Winter Term							
BA-224	Human Resource Management	44	4				
BT-216	Office Procedures	44	4				
COMM-111	Public Speaking	44	4	COMM-111Z	Public Speaking	44	4
--	Administrative Professional program elective		4				
Spring Term							
BA-228	Computerized Accounting	33	3				
BT-161	Word II	55	3				
BT-271	Advanced Business Projects	110	4				

--	Administrative Professional program elective		6				
Administrative Professional Program Electives							
Any Business Administration (BA) or Business Technology (BT) course not included in the Administrative Professional program. Students will be encouraged to use the elective credits to focus on the following:							
<ul style="list-style-type: none"> <li>• Human Resources</li> <li>• Accounting</li> <li>• Project Management</li> <li>• Marketing</li> </ul>							
Catalog Notes							
*This course will be removed from the first term IF the student is required to enroll in FYE-101. WR-121 will be rescheduled in a term conducive to a student's preference.				*This course will be removed from the first term IF the student is required to enroll in FYE-101. <b>WR-121Z</b> will be rescheduled in a term conducive to a student's preference			
<b>TOTAL CURRENT CREDITS:</b>			90-91	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Bev Forney	<b>Telephone No.</b>	3115
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer <i>or</i> PTE Dean Signature</b>		<b>Date</b>	

# Associate of Science Transfer Degree (AST) - Biology (AS.TBIOLOGY)

## Requirements

## Courses

*Choose from the following courses to meet degree requirements.  
All courses must be passed with a C or better.*

<p>Writing</p> <ul style="list-style-type: none"> <li>• 2 courses</li> <li>• information literacy will be included in the Writing Requirement.</li> <li>• OSU accepts WR-122Z and WR-227Z but recommends WR-227Z</li> <li>• WOU &amp; UO accept WR-122Z and WR-227Z but recommend WR-122Z</li> </ul>	<p>WR-121Z and WR-122Z or 227Z</p>
<p>Mathematics</p> <ul style="list-style-type: none"> <li>• 2 courses</li> <li>• Students who test out of Math 111Z should take Math 112Z</li> <li>• Students who test out of Math 112Z may substitute a recommended elective with a MTH prefix (see recommended electives listed below).</li> </ul>	<p>MTH-111Z and 112Z</p>
<p>Biology</p> <ul style="list-style-type: none"> <li>• 3 courses</li> <li>• Each course must be at least 4 credits</li> </ul>	<p>BI-211, 212, and 213</p>
<p>Chemistry</p> <ul style="list-style-type: none"> <li>• 3-course sequence with lab</li> <li>• Each course must be at least 4 credits</li> </ul>	<p>CH-221, 222, and 223</p>
<p>Physics/Math/Chemistry</p> <ul style="list-style-type: none"> <li>• 2 Sequences</li> <li>• Strongly recommend seeing an advisor for assistance with choosing sequences that best match your specific academic, pre-professional, and career goals</li> </ul>	<ul style="list-style-type: none"> <li>• PH-201, 202, and 203 or PH-211, 212, and 213</li> <li>• MTH 251 &amp; 252<sup>1, 2</sup></li> <li>• CH-241, 242, and 243<sup>3, 4</sup></li> </ul> <p><sup>1</sup> Students transferring to PSU may substitute <del>MTH-243</del> STAT-243Z &amp; MTH-244 for MTH-251 &amp; MTH-252.</p> <p><sup>2</sup> Students transferring to EOU are required to take MATH 241 instead of MTH-251 and MTH-252. MTH-251 may serve as a substitute for MATH 241.</p> <p><sup>3</sup> Students transferring to OSU are strongly recommended to take the Organic Chemistry sequence. For upper-level transfer students must pass the ACS Organic exam. Please work with an advisor.</p> <p><sup>4</sup> Students considering pre-medical, pre-dental, and pre-pharmacy programs should consider Organic Chemistry sequence. Courses in sequence must be taken at the same institution</p>
<p><b>GENERAL EDUCATION DISTRIBUTION AREA</b></p> <p>Arts &amp; Letters</p> <ul style="list-style-type: none"> <li>• 2 courses</li> <li>• Each course must be at least 3 credits</li> </ul>	<p>ART-101, 115, 117, 131, 204*, 205*, 206*, 232, 233, 250, 251, 252, 253, 254, 255, 257, 281, 282, 283, 284, 285, 286, 291, 292, 293</p> <p>ASL-201*, 202*, 203*</p> <p>BA-130</p> <p>COMM-112, 126*, 140*, 212, 218Z*, 219*, 227</p> <p>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*, 270, 271*, 272*, 273*, 295*, 296</p> <p>FR-201*, 202*, 203*</p> <p>HUM-235*, 237*, 240*, 241*, 242*</p> <p>J-211, 216</p> <p>MUS-105, 111, 112, 113, 205, 206*, 211, 212, 213</p> <p>PHL-101*, 102*, 103*, 205*, 210*, 213*, 216*</p> <p>R-101*, 102*, 103*, 204*, 210*, 211*, 212*</p>

	<p>SPN-201*, 202*, 203*</p> <p>SSC-237*</p> <p>TA-101, 102, 103, 111, 122, 123, 141, 142, 143, 153</p> <p>WR-240, 241*, 242, 243, 244*, 245, 247, 248, 262, 263, 265, 270</p> <p>WS-101*</p>
<p><b>GENERAL EDUCATION DISTRIBUTION AREA</b></p> <p>Social Science</p> <ul style="list-style-type: none"> <li>• 2 courses</li> <li>• Each course must be at least 3 credits</li> </ul>	<p>ANT-101, 102*, 103*, 232*</p> <p>CJA-101, 201</p> <p>EC-201, 202</p> <p>GEO-100*, 110*, 130*, 208*</p> <p>HE-163, 164</p> <p>HST-101*, 102*, 103*, 130*, 131*, 132*, 136*, 137*, 138*, 201*, 202*, 203*</p> <p>HUM-237*</p> <p>PS-200*, 201, 203, 204, 205, 225, 297</p> <p>PSY-200, 205*, 215, 219*, 231*</p> <p>SOC-204*, 205*, 206*, 210*, 225*</p> <p>SSC-235*, 237*, 240*, 241*, 242*</p> <p>WS-101*</p>
Cultural Literacy - 1 course	Courses meeting the Cultural Literacy requirement are noted with an asterisk.
<p>Elective Courses</p> <p>Any college-level course that would bring total credits to 90 credits.</p>	<p>Recommended electives by transferring institution:</p> <p><b>EOU-</b> <del>MTH-243</del> <b>STAT-243Z</b> or an additional Physics, Math, or Chemistry sequence</p> <p><b>OIT-</b> 4-6 credits social science, 1-3 credits humanities, or 2 credits lower division health biology</p> <p><b>OSU-</b> <del>COMM-111Z</del>, 3 credits Fitness, 1 Difference Power and Discrimination course, or an additional sequence from the Physics, Math, or Chemistry area listed above</p> <p><b>PSU-</b> <del>MTH-243</del> <b>STAT-243Z</b> or an additional sequence from the Physics, Math, or Chemistry area listed above</p> <p><b>SOU-</b> <del>MTH-243</del> <b>STAT-243Z</b> or an additional sequence from the Physics, Math, or Chemistry area listed above</p> <p><b>UO-</b> <b>WR-122Z</b> or an additional sequence from the Physics, Math, or Chemistry area listed above</p> <p><b>WOU-</b> <b>WR-122Z</b> or an additional sequence from the Physics, Math, or Chemistry area listed above</p> <p>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, for a listing of courses that may be included.</p>

\* Course meets Cultural Literacy requirement.

See course descriptions for course requisites.

Note: No course may be used to satisfy more than one requirement or distribution area.

# Associate of Science Transfer Degree (AST) - Business

AS.TBUSINESS

New program approved on 05.19.22; business electives amended via email on 9/6/22

Requirements	Courses
Complete 90 credits from the following:	
Writing <ul style="list-style-type: none"> <li>• 2 courses</li> <li>• Information literacy will be included in the Writing requirement</li> </ul>	WR-121Z and 227Z
Communications <ul style="list-style-type: none"> <li>• 1 course</li> </ul>	COMM- 111Z
Mathematics <ul style="list-style-type: none"> <li>• 1 course</li> </ul>	EOU, PSU, SOU, or OIT: MTH-243 STAT-243 OSU, WOU, or UO: MTH-251
<b>GENERAL EDUCATION DISTRIBUTION AREA</b>  Arts & Letters <ul style="list-style-type: none"> <li>• 2 Courses</li> <li>• Each course must be at least 3 credits</li> </ul>	ART-101, 115, 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, 218Z*, 219*, 227 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*, 270, 271*, 272*, 273*, 295*, 296 FR-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-240, 241*, 242, 243, 244*, 245, 247, 248, 262, 263, 265, 270 WS-101*
<b>GENERAL EDUCATION DISTRIBUTION AREA</b>  Social Science <ul style="list-style-type: none"> <li>• 2 courses</li> <li>• Each course must be at least 3 credits</li> </ul>	EC- 201 and 202
<b>GENERAL EDUCATION DISTRIBUTION AREA</b>  Natural Science <ul style="list-style-type: none"> <li>• 2 lab science courses</li> <li>• Each course must be at least 4 credits</li> </ul>	ASC-175, 176, 177 BI-101, 102, 103, 112, 160L, 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, 148, 201, 202, 203 GS-104, 105, 106, 107 PH-121, 122, 123, 201, 202, 203, 211, 212, 213 Z-201, 202, 203
Cultural Literacy <ul style="list-style-type: none"> <li>• 1 course</li> </ul>	Courses meeting the Cultural Literacy requirement are noted with an asterisk.
<b>Business Specific Requirements</b> <ul style="list-style-type: none"> <li>• 5 courses</li> </ul>	BA- 101, 131, 211, 213, 226
Electives	<ul style="list-style-type: none"> <li>• Any college-level course that would bring total credits to 90 credits</li> <li>• Other courses numbered 100 or above may be used in this area, which may include up to 12 credits of career technical courses</li> <li>• Please refer to the Elective Course List for courses that may be included</li> <li>• Up to 3 credits of PE courses</li> </ul>

**Notes:**

- All courses must be passed with a C or better
- 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
	<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 – Architectural Engineering</b> AS.OSUARCHENGR				<b>Associate of Applied Science Area of Emphasis</b>	<b>105</b>
<b>Partnering Institution Name Oregon State University</b>					

New program approved on 12.02.22

TYPE OF PROGRAM AMENDMENT			
<small>(Check ALL That Apply)</small>			
<input checked="" 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>105</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.]

<i><b>CURRENT CURRICULUM 22-23</b></i>				<i><b>PROPOSED CURRICULUM 23-24</b></i>			
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	WR-121Z	Composition I	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	COMM-111Z	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	WR-227Z	Technical Writing	44	4
<b>Summer Term</b>							
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	77	5				
PHL-102	Ethics	44	4				
MTH-253	Calculus III	55	5				
<b>Winter Term</b>							
PH-212	General Physics with Calculus	77	5				
CS-161	Computer Science I	44	4				
HPE-295	Health & Fitness for Life	60	3				
— —	Cultural Diversity elective		4				
<b>Spring Term</b>							
ENGR-201	Electrical Fundamentals	66	4				
ENGR-213	Strength of Materials	44	4				
PH-213	General Physics with Calculus	77	5				
— —	Difference, Power, and Discrimination elective		4				
<b>Cultural Diversity Elective</b>							
<b>ANT-232;</b> <b>ENG-213, 252;</b> <b>GEO-110;</b> <b>R-101, 102, 103, 210;</b>							
<b>Difference, Power, and Discrimination Elective</b>							
<b>HST-201, 202, 203;</b> <b>SOC-225;</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>Biological Science Elective</b>							
<b>BI-101, 102, 103, 165CL, 175, 176, 177, 204, 211, 212, 213, 234;</b> <b>ESR-171, 172, 173;</b>							



Z-201, 202, 203;			
<b>TOTAL CURRENT CREDITS:</b>	105	<b>TOTAL PROPOSED CREDITS:</b>	
<b>College Contact</b>	Eric Lee	<b>Telephone No.</b>	x6163
<b>E-Mail Address</b>	elee@clackamas.edu	<b>Fax No.</b>	
<b>Chief Academic Officer or CTE Dean Signature</b>		<b>Date</b>	



## 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 – Biological Engineering</b> AS.OSUBIOLENGR				<b>Associate of Applied Science Area of Emphasis</b>	<b>105-106</b>
<b>Partnering Institution Name Oregon State University</b>					

Last amendment approved on 12.02.22

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>			

## 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 22-23</b></i>				<i><b>PROPOSED CURRICULUM 23-24</b></i>			
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	COMM-111Z	Public Speaking	44	4
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
WR-121	English Composition	44	4	WR-121Z	Composition I	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	WR-227Z	Technical 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	77	5				
<b>Winter Term</b>							
CH-242	Organic Chemistry II	77	5				
PH-212	General Physics with Calculus	77	5				
--	Literature and the Arts elective		3-4				
<b>Spring Term</b>							
CH-243	Organic Chemistry III	77	5				
ENGR-201	Electrical Fundamentals	66	4				
PH-213	General Physics with Calculus	77	5				
--	Western Culture elective		4				
<b>Literature and the Arts Elective</b>							
ART-101, 204, 205, 206; ENG-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 226, 230, 241, 250, 251, 252, 253, 254, 255, 260, 270; MUS-105, 205, 206;							
<b>Social Processes Elective</b>							
ANT-103; EC-201, 202; HST-101, 102, 103; PS-201, 204, 205, 225; PSY-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;			
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>			
ANT-231, 232; ENG-213, 252; GEO-110; R-101, 102, 103, 210;			
<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>		105-106	<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>



## 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>92-96</b>
<b>Partnering Institution Name</b> <b>Oregon State University</b>					

Last amendment approved on 11.05.21

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>		

## CURRICULUM AMENDMENT

### CURRENT CURRICULUM 22-23

### PROPOSED CURRICULUM 23-24

Course	Title	Hours	Credits	Course	Title	Hours	Credits
Program Requirements – First Year							
Fall Term							
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	WR-121Z	Composition I	44	4
Winter Term							
BI-212	General Biology for Science Majors (Animal Biology)	77	5				
CH-222	General Chemistry	77	5				
MTH-251	Calculus I	55	5				
Spring Term							
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	COMM-111Z or COMM-112 or COMM-218Z	Public Speaking or Persuasive Speaking or Interpersonal Communication	44	4
CH-223	General Chemistry	77	5				
Program Requirements – Second Year							
Fall Term							
CH-241*	Organic Chemistry I	77	5				
PH-201 Or PH-211	General Physics or General Physics with Calculus	77	5				
WR-122 Or WR-227	English Composition or Technical Report Writing	44	4	WR-122Z Or WR-227Z	Composition I or Technical Writing	44	4
--	Core electives		3-5				
Winter Term							
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	77	5				
Spring Term							
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	77	5				
--	Core electives		3-5				
*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.							
Core Electives							
ANT-101, 102, 103, 232; ART-101, 204, 205, 206;							

**ASC**-175, 176, 177;  
**BI**-101, 102, 103, 175, 176, 177, 204, 211, 212, 213, 234;  
**CH**-104, 105, 114, 221, 222, 223;  
**EC**-201, 202;  
**ENG**-104, 105, 106, 107, 108, 109, 194, 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**-200, 205, 219, 231;  
**R**-101, 102, 103, 210, 204;  
**SOC**-204, 205, 206, 225;  
**Z**-201, 202, 203;

<b>TOTAL CURRENT CREDITS:</b>		92-96	<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> CTE Dean Signature</b>				<b>Date</b>	



## 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 (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)			<i>APPROVED</i> Recognition Award	<i>Current</i> 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.PSUBIOLOGY				<b>Associate of Applied Science Area of Emphasis</b>	<b>90-95</b>
<b>Partnering Institution Name</b> <b>Portland State University</b>					

Last amendment approved on 02.16.18

### TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

<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>		



**CURRICULUM AMENDMENT**

***CURRENT CURRICULUM 22-23***

***PROPOSED CURRICULUM 23-24***

<b>Course</b>	<b>Title</b>	<b>Hours</b>	<b>Credits</b>	<b>Course</b>	<b>Title</b>	<b>Hours</b>	<b>Credits</b>
<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				
WR-121	English Composition	44	4	WR-121Z	Composition I	44	4
<b>Winter Term</b>							
BI-212	General Biology for Science Majors (Animal Biology)	77	5				
CH-222	General Chemistry	77	5				
WR-122 or WR-227	English Composition or Technical Report Writing	44	4	WR-122Z or WR-227Z	Composition II or Technical Writing	44	4
--	Core elective		4				
<b>Spring Term</b>							
BI-213	General Biology for Science Majors (Plant Biology & Ecology)	77	5				
CH-223	General Chemistry	77	5				
COMM-111 or COMM-140	Public Speaking or Introduction to Intercultural Communication	44	4	COMM-111Z or COMM-140	Public Speaking or Introduction to Intercultural Communication	44	4
<b>Program Requirements – Second Year</b>							
<b>Fall Term</b>							
CH-241	Organic Chemistry I Or Science elective	77	5				
MTH-243 or MTH-251	Statistics I  Calculus I	44-55	4-5	STAT-243Z or MTH-251	Elementary Statistics I or Calculus I	44-55	4-5
PH-201	General Physics	70	5				
--	Core elective		3				
<b>Winter Term</b>							
CH-242	Organic Chemistry II or Science elective	77	5				
MTH-244 Or MTH-252	Statistics II or Calculus II	44-55	4-5				
--	Core elective		3				
<b>Spring Term</b>							
CH-243	Organic Chemistry III Or Science elective	77	5-7				
--	General Education Science Elective		4-5				
--	Core elective		6				
<b>Core Elective</b>							
Any General Education course in the respective distribution areas of Arts & Letters or Social Sciences listed in p. 50 of this catalog.							
<b>Science Elective</b>							
Minimum 14 science elective credits in G-201, G-202, G-203, PH-202 & PH-203. Recommended: CH-242 & CH-243							
<b>General Education Science Elective</b>							
Any Gen Ed Science course in ASC, BI, CH, ESR, G, GS, PH, Z							

<b>TOTAL <i>CURRENT</i> CREDITS:</b>	90-95	<b>TOTAL <i>PROPOSED</i> CREDITS:</b>	
<b>College Contact</b>		<b>Telephone No.</b>	
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>CTE Dean Signature</b>		<b>Date</b>	



## 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	<i>Current</i> 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.UOBIOLOGY				<b>Associate of Applied Science Area of Emphasis</b>	<b>92</b>
<b>Partnering Institution Name</b> <b>University of Oregon</b>					

LAST AMENDMENT APPROVED ON 2/16/18

### TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

<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>		

## 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 22-23</b></i>				<i><b>PROPOSED CURRICULUM 23-24</b></i>			
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				
WR-121	English Composition	44	4	WR-121Z	Composition I	44	4
<b>Winter Term</b>							
BI-212	General Biology for Science Majors (Animal Biology)	77	5				
CH-222	General Chemistry	77	5				
WR-122	English Composition	44	4	WR-122Z	Composition II	44	4
<b>Spring Term</b>							
BI-213	General Biology for Science Majors (Plant Biology & Ecology)	77	5				
CH-223	General Chemistry	77	5				
CS-120 or MTH-243	Survey of Computing or Statistics I (recommended)	44-55	4	CS-120 or STAT-243	Survey of Computing or Elementary Statistics I (recommended)	44-55	4
--	Core electives		4				
<b>Program Requirements – Second Year</b>							
<b>Fall Term</b>							
CH-241	Organic Chemistry I	77	5				
MTH-251	Calculus I	55	5				
PH-201	General Physics	70	5				
--	Core electives		3				
<b>Winter Term</b>							
CH-242	Organic Chemistry II	77	5				
MTH-252	Calculus II	55	5				
PH-202	General Physics	70	5				
<b>Spring Term</b>							
CH-243	Organic Chemistry III	77	5				
PH-203	General Physics	70	5				
--	Core electives		3				
<b>Core Electives</b>							
Any General Education course in the respective distribution areas of Arts & Letters or Social Sciences listed on p. 50 of this catalog.							
<b>TOTAL CURRENT CREDITS:</b>			92	<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>	



## 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 11.05.21

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>		

## 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 22-23</b></i>				<i><b>PROPOSED CURRICULUM 23-24</b></i>			
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	COMM-111Z	Public Speaking	44	4
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
WR-121	English Composition	44	4	WR-121Z	Composition I	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	WR-227Z	Technical 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	77	5				
<b>Winter Term</b>							
CH-242	Organic Chemistry II	77	5				
MTH-253	Calculus III	55	5				
PH-212	General Physics with Calculus	77	5				
<b>Spring Term</b>							
CH-243	Organic Chemistry III	77	5				
ENGR-201	Electrical Fundamentals	66	4				
PH-213	General Physics with Calculus	77	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-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>							

<b>ANT-232;</b> <b>ENG-213, 252;</b> <b>GEO-110;</b> <b>R-101, 102, 103, 210;</b>			
Literature and the Arts Elective			
<b>ART-101, 204, 205, 206;</b> <b>ENG-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 226, 230, 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, 165CL, 175, 176, 177, 204, 211, 212, 213, 234;</b> <b>ESR-171, 172, 173;</b> <b>Z-201, 202, 203;</b>			
Physical Education Elective			
<b>HPE-295;</b>			
<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>



## 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 – Civil Engineering</b> AS.OSUCIVILENGR				<b>Associate of Applied Science Area of Emphasis</b>	<b>100-101</b>
<b>Partnering Institution Name Oregon State University</b>					

Last amendment approved on 12.02.22

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>			



## 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 22-23</b></i>				<i><b>PROPOSED CURRICULUM 23-24</b></i>			
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	WR-121Z	Composition I	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	COMM-111Z	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	WR-227Z	Technical 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				
MTH-253	Calculus III	55	5				
PH-211	General Physics with Calculus	77	5				
--	Western Culture elective		4				
<b>Winter Term</b>							
ENGR-212	Dynamics	44	4				
CS-161	Computer Science I	44	4				
PH-212	General Physics with Calculus	77	5				
<b>Spring Term</b>							
ENGR-213	Strength of Materials	44	4				
PH-213	General Physics with Calculus	77	5				
--	Literature and the Arts Elective		3-4				
<b>Literature and the Arts Elective</b>							
ART-101, 204, 205, 206; ENG-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 226, 230, 241, 250, 251, 252, 253, 254, 255, 260, 270; MUS-105, 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;							
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.			
Cultural Diversity Elective			
ANT-232; ENG-213, 252; GEO-110; R-101, 102, 103, 210;			
Difference, Power, and Discrimination Elective			
HST-201, 202, 203; SOC-225;			
Biological Science Elective			
BI-101, 102, 103, 165CL, 175, 176, 177, 204, 211, 212, 213, 234; ESR-171, 172, 173; Z-201, 202, 203;			
<b>TOTAL CURRENT CREDITS:</b>		100-101	<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>



## 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 – Civil</b> AS.PSUCIVILENGR				<b>Associate of Applied Science Area of Emphasis</b>	<b>95-96</b>
<b>Partnering Institution Name Portland State University</b>					

Last amendment approved on 01.21.22

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>		

## 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 22-23</b></i>				<i><b>PROPOSED CURRICULUM 23-24</b></i>			
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	WR-121Z	Composition I	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	COMM-111Z	Public Speaking	44	4
MTH-254	Vector Calculus	55	5				
WR-227	Technical Report Writing	44	4	WR-227Z	Technical Writing	44	4
--	Arts & Letters elective		4				
<b>Program Requirements – Second Year</b>							
<b>Fall Term</b>							
ENGR-211	Statics	44	4				
GIS-201	Introduction to Geographic Information Systems	66	3				
PH-211	General Physics with Calculus	70	5				
--	Social Science elective		4				
<b>Winter Term</b>							
CDT-103	Computer-Aided Drafting I	66	3				
ENGR-212	Dynamics	44	4				
MTH-256	Differential Equations	44	4				
PH-212	General Physics with Calculus	70	5				
<b>Spring Term</b>							
ENGR-213	Strength of Materials	44	4				
MTH-261	Linear Algebra	44	4				
PH-213	General Physics with Calculus	70	5				
--	Arts & Letters or Social Science elective		3-4				
<b>Arts &amp; Letters Electives</b>							
<p>All courses in <b>ASL, COMM, ENG, FR, GER, HUM, PHL, SPN, WR</b>. Note that native speakers should only take advanced (300 level or above) foreign language courses. Non-performance based courses in art, journalism, music, and theater also meet this requirement. The accepted courses at CCC are:  <b>ART-101, 205, 206;</b>  <b>J-211;</b>  <b>MUS-105, 141, 205, 206, 230;</b>  <b>TA-101, 102;</b></p>							
<b>Social Science Electives</b>							
All courses in <b>ANT, EC, GEO, HST, PS, PSY, SOC, SSC, and WS</b> .							
<b>Recommended:</b>							
Take Plane Surveying (CE-211/CS-212) at PSU before beginning junior year at PSU. The course is offered in the spring and summer terms at PSU. It is also recommended to complete one additional Arts & Letters or Social Science elective.							
<b>TOTAL CURRENT CREDITS:</b>			95-96	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Eric Lee	<b>Telephone No.</b>	6163
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer <i>or</i> CTE Dean Signature</b>		<b>Date</b>	



## 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					
APPROVED Program Title	APPROVED CIP Code <small>(Include 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			APPROVED Recognition Award	Current Credits
	6-digit CIP	7 <sup>th</sup> digit	8 <sup>th</sup> digit		
<b>AS Area of Emphasis Title: Engineering – Computer</b> AS.PSUCOMPENGR				<b>Associate of Applied Science Area of Emphasis</b>	<b>100-101</b>
<b>Partnering Institution Name Portland State University</b>					

Last amendment approved on 01.21.22

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>  <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;"><i>Proposed Total Credits:</i></td> <td style="width: 20%;"></td> </tr> </table>	<i>Proposed Total Credits:</i>	
<i>Proposed Total Credits:</i>				
<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.]

<i><b>CURRENT CURRICULUM 22-23</b></i>				<i><b>PROPOSED CURRICULUM 23-24</b></i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Program Requirements – First Year</b>							
<b>Fall Term</b>							
CH-221	General Chemistry	77	5				
CS-161	Computer Science I	44	4				
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
<b>Winter Term</b>							
CS-162	Computer Science II	44	4				
ENGR-112	Engineering Programming	33	3				
ENGR-171	Digital Logic	66	4				
MTH-252	Calculus II	55	5				
<b>Spring Term</b>							
COMM-111	Public Speaking	44	4	COMM-111Z	Public Speaking	44	4
ENGR-271	Digital Systems	66	4				
MTH-261	Linear Algebra	44	4				
WR-121	English Composition	44	4	WR-121Z	Composition I	44	4
<b>Summer Term</b>							
WR-122 Or WR-227	English Composition or Technical Report Writing	44	4	WR-122Z Or WR-227Z	Composition II or Technical Writing	44	4
<b>Program Requirements – Second Year</b>							
<b>Fall Term</b>							
ENGR-221	Electrical Circuit Analysis I	33	4				
PH-211	General Physics with Calculus	77	5				
--	Arts & Letters elective		4				
<b>Winter Term</b>							
ENGR-222	Electrical Circuit Analysis II	66	4				
MTH-256	Differential Equations	44	4				
PH-212	General Physics with Calculus	77	5				
--	Social Science elective		4				
<b>Spring Term</b>							
ENGR-223	Electrical Circuit Analysis III	66	4				
MTH-253	Calculus III	55	5				
PH-213	General Physics with Calculus	77	5				
--	Arts & Letters or Social Science elective		3-4				
<b>Arts &amp; Letters or Social Science Electives</b>							
<b>Arts &amp; Letters</b>							
<p>All courses in <b>ASL, COMM, ENG, FR, GER, HUM, PHL, SPN, WR</b>. Note that native speakers should only take advanced (300 level or above) world language courses. Non-performance based courses in art, journalism, music, and theater also meet this requirement.</p> <p>The accepted courses at CCC are:</p> <p><b>ART</b>-101, 205, 206;  <b>J</b>-211;  <b>MUS</b>-105, 141, 205, 206, 230;  <b>TA</b>-101, 102;</p>							
<b>Social Science</b>							
All courses in <b>ANT, EC, GEO, HST, PS, PSY, SOC, SSC, and WS</b> .							
<b>TOTAL CURRENT CREDITS:</b>			100-101	<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> CTE Dean Signature</b>		<b>Date</b>	





## 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>Computer Science</b> AS.PSUCOMPSCI				<b>Associate of Applied Science Area of Emphasis</b>	<b>97-98</b>
<b>Partnering Institution Name</b> <b>Portland State University</b>					

Last amendment approved on 11/4/22

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>		

## 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 22-23</b></i>				<i><b>PROPOSED CURRICULUM 23-24</b></i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Program Requirements – First Year</b>							
<b>Fall Term</b>							
CS-160	Computer Science Orientation	44	4				
CS-161	Computer Science I	44	4				
MTH-251	Calculus I	55	5				
<b>Winter Term</b>							
CS-162	Computer Science II	44	4				
MTH-252	Calculus II	55	5				
--	Science electives		4				
<b>Spring Term</b>							
CS-140L	Linux for Programmers	44	4				
CS-260	Data Structures	44	4				
MTH-253	Calculus III	55	5				
--	Race, Ethnicity and Systemic Oppression electives		4				
<b>Summer Term</b>							
COMM-111	Public Speaking	44	4	COMM-111Z	Public Speaking	44	4
MTH-261	Linear Algebra	44	4				
WR-121	English Composition	44	4	WR-121Z	Composition I	44	4
--	Arts & Letters or Social Science electives		4				
<b>Program Requirements – Second 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	77	5				
CS-205	System Programming and Architecture	44	4				
--	Arts & Letters or Social Science electives		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	77	5				
CS-250	Discrete Structures I	44	4				
WR-227	Technical Report Writing	44	4	WR-227Z	Technical Writing	44	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	77	5				
CS-251	Discrete Structures II	44	4				

--	Computer Science recommended electives		3-4				
<b>Arts &amp; Letters Electives</b>							
Non-performance based courses in the prefixes of: ART, J, MUS, TA Any 100 level or above course in the prefixes of: ASL, COMM, ENG, FR, GER, HUM, PHL, SPN, WR Native speakers should only take advanced (300-level or above) world language courses.							
<b>Social Science Electives</b>							
Any 100-level or above course in the prefixes of: ANT, EC, GEO, HST, PS, PSY, SOC, SSC, WS							
<b>Race, Ethnicity, and Systemic Oppression Electives</b>							
ES-211, ES-221, ES-241							
<b>Computer Science Electives</b>							
Any CS course not already included in the program							
<b>Science Electives</b>							
Any General Education science course in the prefixes of: BI, CH, ESR, G, and PH							
<b>TOTAL CURRENT CREDITS:</b>			97-98	<b>TOTAL PROPOSED CREDITS:</b>			
<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>



## 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 – Construction</b> <b>Engineering Management</b> AS.OSUCONENRMGT				<b>Associate of Applied Science</b> <b>Area of Emphasis</b>	<b>95-97</b>
<b>Partnering Institution Name</b> <b>Oregon State University</b>					

Elective credits changed during catalog edits, NOT APPROVED

Last amendment approved on 12.02.22

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>		
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;"><i>Proposed Total Credits:</i></td> <td style="width: 20%;"></td> </tr> </table>	<i>Proposed Total Credits:</i>	
<i>Proposed Total Credits:</i>				
<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.]

<i><b>CURRENT CURRICULUM 22-23</b></i>				<i><b>PROPOSED CURRICULUM 23-24</b></i>			
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	WR-121Z	Composition I	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>							
CS-161	Computer Science I	44	4				
ENGR-211	Statics	44	4				
HPE-295	Health & Fitness for Life	60	3				
PH-211	General Physics with Calculus	77	5				
<b>Winter Term</b>							
BA-315/BA-OSU	Accounting for Decision Making (online through OSU)		4				
PH-212	General Physics with Calculus	77	5				
PHL-102	Ethics	44	4				
— —	Cultural Diversity elective		4				
<b>Spring Term</b>							
COMM-111	Public Speaking	44	4	COMM-111Z	Public Speaking	44	4
ENGR-213	Strength of Materials	44	4				
ENGR-390/ENGR-OSU	Engineering Economy (online through OSU)		3				
WR-227	Technical Report Writing	44	4	WR-227Z	Technical Writing	44	4
<b>Cultural Diversity Elective</b>							
ANT-232; ENG-213, 252; GEO-110; R-101, 102, 103, 210;							
<b>Literature and the Arts Elective</b>							
ART-101, 204, 205, 206; ENG-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 226, 230, 241, 250, 251, 252, 253, 254, 255, 260, 270; MUS-105, 205, 206;							
<b>Biological Science Elective</b>							
BI-101, 102, 103, 165CL, 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>	95-97	<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>



## 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 12.02.22

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>			

## 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 22-23</b></i>				<i><b>PROPOSED CURRICULUM 23-24</b></i>			
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	COMM-111Z	Public Speaking	44	4
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
WR-121	English Composition	44	4	WR-121Z	Composition I	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	WR-227Z	Technical 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>							
ENGR-211	Statics	44	4				
PH-211	General Physics with Calculus	77	5				
--	Cultural Diversity Elective		4				
--	Difference, Power, and Discrimination Elective		4				
<b>Winter Term</b>							
CS-161	Computer Science I	44	4				
HPE-295	Health and Fitness for Life	60	3				
MTH-253	Calculus III	55	5				
PH-212	General Physics with Calculus	77	5				
<b>Spring Term</b>							
ENGR-213	Strength of Materials	44	4				
PH-213	General Physics with Calculus	77	5				
PHL-102	Ethics	44	4				
<b>Literature and the Arts Elective</b>							
ART-101, 204, 205, 206; ENG-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 226, 230, 241, 250, 251, 252, 253, 254, 255, 260, 270; MUS-105, 205, 206;							
<b>Cultural Diversity Elective</b>							
ANT-232; ENG-213, 252; GEO-110; R-101, 102, 103, 210;							
<b>Difference, Power, and Discrimination Elective</b>							
HST-201, 202, 203; SOC-225;							
<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 <i>or</i> CTE Dean Signature</b>		<b>Date</b>	



## 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> <small>AS.OITELECENGR</small>				<b>Associate of Applied Science Area of Emphasis</b>	<b>105-107</b>
<b>Partnering Institution Name Oregon Institute of Technology (Oregon Tech)</b>					

Last amendment approved on 01.29.21

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>		

## 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 22-23</b></i>				<i><b>PROPOSED CURRICULUM 23-24</b></i>			
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				
CS-161	Computer Science I	44	4				
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
<b>Winter Term</b>							
CH-222	General Chemistry	77	5				
ENGR-112	Engineering Programming	33	3				
ENGR-171	Digital Logic	66	4				
MTH-252	Calculus II	55	5				
<b>Spring Term</b>							
COMM-111	Public Speaking	44	4	COMM-111Z	Public Speaking	44	4
ENGR-271	Digital Systems	66	4				
MTH-261	Linear Algebra	44	4				
WR-121	English Composition	44	4	WR-121Z	Composition I	44	4
<b>Summer Term</b>							
WR-227	Technical Report Writing	44	4	WR-227Z	Technical Writing	44	4
--	Social Science Elective		3-4				
<b>Program Requirements – 2<sup>nd</sup> 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				
--	Humanities or Social Science Elective		3-4				
<b>Winter Term</b>							
ENGR-222	Electrical Circuit Analysis II	66	4				
MTH-256	Differential Equations	44	4				
PH-212	General Physics with Calculus	70	5				
WR-122	English Composition	44	4	WR-122Z	Composition II	44	4
<b>Spring Term</b>							
ENGR-223	Electrical Circuit Analysis III	66	4				
MTH-253	Calculus III	55	5				
PH-213	General Physics with Calculus	70	5				
<b>Track Requirements</b>							
<b>Social Science Electives</b>							
Choose courses from the following subjects: <b>ANT, EC, GEO, HST, PS, PSY, SOC, SSC, WS</b>							
<b>Humanities Electives</b>							
Choose courses from the following subjects: <b>ART, ASL (200-level), ENG, FR (200-level), GER (200-level), HUM, MUS, PHL, R, SPN (200-level), TA</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 Institute of Technology and is listed below. COMM-219 Up to 9 additional Social Science Elective credits from the list above Up to 6 additional Humanities Elective credits from the list above							
<b>TOTAL CURRENT CREDITS:</b>			105-107	<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 <i>or</i> CTE Dean Signature</b>		<b>Date</b>	



## 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 11.05.21

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>		

## 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 22-23</b></i>				<i><b>PROPOSED CURRICULUM 23-24</b></i>			
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	WR-121Z	Composition I	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	WR-227Z	Technical Writing	44	4
--	Social Processes elective		4				
<b>Summer Term</b>							
COMM-111	Public Speaking	44	4	COMM-111Z	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	77	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	77	5				
<b>Spring Term</b>							
ENGR-223	Electrical Circuit Analysis III	66	4				
PH-213	General Physics with Calculus	77	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-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-232; ENG-213, 252; GEO-110; R-101, 102, 103, 210;			
<b>Literature and the Arts Elective</b>			
ART-101, 204, 205, 206; ENG-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 226, 230, 241, 250, 251, 252, 253, 254, 255, 260, 270; MUS-105, 205, 206;			
<b>Difference, Power, and Discrimination Elective</b>			
HST-201, 202, 203; SOC-225;			
<b>Biological Science Elective</b>			
BI-101, 102, 103, 165CL, 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>		102	<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>



## 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</b> AS.PSUELECTENGR				<b>Associate of Applied Science Area of Emphasis</b>	<b>105-106</b>
<b>Partnering Institution Name Portland State University</b>					

Last amendment approved on 01.21.22

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>		



## 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 22-23</b></i>				<i><b>PROPOSED CURRICULUM 23-24</b></i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Program Requirements – First Year</b>							
<b>Fall Term</b>							
CH-221	General Chemistry	77	5				
CS-161	Computer Science I	44	4				
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
<b>Winter Term</b>							
CS-162	Computer Science II	44	4				
ENGR-112	Engineering Programming	33	3				
ENGR-171	Digital Logic	66	4				
MTH-252	Calculus II	55	5				
<b>Spring Term</b>							
COMM-111	Public Speaking	44	4	COMM-111Z	Public Speaking	44	4
ENGR-271	Digital Systems	66	4				
MTH-261	Linear Algebra	44	4				
WR-121	English Composition	44	4	WR-121Z	Composition I	44	4
<b>Summer Term</b>							
WR-122 Or WR-227	English Composition or Technical Report Writing	44	4	WR-122Z Or WR-227Z	Composition II or Technical Writing	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	77	5				
--	Arts & Letters elective		4				
<b>Winter Term</b>							
ENGR-222	Electrical Circuit Analysis II	66	4				
MTH-256	Differential Equations	44	4				
PH-212	General Physics with Calculus	77	5				
--	Social Science elective		4				
<b>Spring Term</b>							
ENGR-223	Electrical Circuit Analysis III	66	4				
MTH-253	Calculus III	55	5				
PH-213	General Physics with Calculus	77	5				
--	Arts & Letters or Social Science elective		3-4				
<b>Arts &amp; Letters or Social Science Electives</b>							
<b>Arts &amp; Letters</b>							
<p>All courses in <b>ASL, COMM, ENG, FR, GER, HUM, PHL, SPN, WR</b>. Note that native speakers should only take advanced (300 level or above) world language courses. Non-performance based courses in art, journalism, music, and theater also meet this requirement.</p> <p>The accepted courses at CCC are:</p> <p><b>ART</b>-101, 205, 206;  <b>J</b>-211;  <b>MUS</b>-105, 141, 205, 206, 230;  <b>TA</b>-101, 102;</p>							
<b>Social Science</b>							
All courses in <b>ANT, EC, GEO, HST, PS, PSY, SOC, SSC, and WS</b> .							
<b>TOTAL CURRENT CREDITS:</b>			105-106	<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> CTE Dean Signature</b>		<b>Date</b>	



## 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>		
AS Area of Emphasis Title: <b>English</b> AS.OSUENGLISH				<b>Associate of Applied Science Area of Emphasis</b>	<b>94-98</b>
Partnering Institution Name <b>Oregon State University</b>					

Last amendment approved on 02.07.2020

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>		

## 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 22-23</b></i>				<i><b>PROPOSED CURRICULUM 23-24</b></i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Program Requirements – First Year</b>							
<b>Fall Term</b>							
ASL-101 or FR-101 or SPN-101	American Sign Language I or First-Year French I or First-Year Spanish I	44	4				
HPE-295	Health & Fitness for Life	60	3				
WR-121	English Composition	44	4	WR-121Z	Composition I	44	4
--	Biological Science elective		4				
<b>Winter Term</b>							
ASL-102 or FR-102 or SPN-102	American Sign Language or First-Year French II or First-Year Spanish II	44	4				
MTH-105 or MTH-111 or MTH-112 or MTH-251 or MTH-252	Math in Society or College Algebra or Trigonometry and Pre-Calculus or Calculus I or Calculus II	44-55	4-5	MTH-105Z or MTH-111Z or MTH-112Z or MTH-251 or MTH-252	Math in Society or Precalculus I: Functions or Precalculus II: Trigonometry or Calculus I or Calculus II	44-55	4-5
WR-122	English Composition	44	4	WR-122Z	Composition II	44	4
--	200-level English elective		4				
<b>Spring Term</b>							
ART-206 or MUS-105	History of Art/Enlightenment Through Contemporary Or Music Appreciation	33-44	3-4				
ASL-103 or FR-103 or SPN-103	American Sign Language or First-Year French III or First-Year Spanish III	44	4				
--	200-level English elective		4				
--	Physical Science elective		4-5				
<b>Program Requirements – Second Year</b>							
<b>Fall Term</b>							
ASL-201 or FR-201 or SPN-201	Second-Year American Sign Language I or Second-Year French I or Second-Year Spanish I	44	4				
--	English sequence or 200-Level English elective		4				
--	Biological Science or Physical Science		4-5				
--	Speech elective		4				
<b>Winter Term</b>							
ASL-202 or FR-202 or	Second-Year American Sign Language II or Second-Year French II	44	4				

SPN-202	or Second-Year Spanish II						
--	English sequence		4				
--	Cultural Diversity elective		4				
--	Social Processes/Institutions elective		4				
<b>Spring Term</b>							
ASL-203 or FR-203 or SPN-203	Second-Year American Sign Language III or Second-Year French III or Second-Year Spanish III	44	4				
HST-203 or SOC-225	History of the United States or Social Problems	44	4				
--	English sequence or 200- Level English elective		4				
--	Western Culture electives		4				
<b>Biological Science Electives</b>							
<b>BI-102, 103, 204, 211, 212, 213, 234</b>							
<b>200-Level English Electives</b>							
<b>ENG-201, 202, 204, 205, 253, 254</b>							
<b>Physical Science Electives</b>							
<b>G-101, 102, 103, 201, 202, 203; GS-107; PH-121, 122, 123, 201, 202, 203, 211, 212, 213; CH-221, 222, 223;</b>							
<b>English Sequence Options</b>							
<b>ENG-204 and ENG-205 or ENG-253 and ENG-254</b>							
<b>Speech Electives</b>							
<b>COMM-111, 112, 218; WR-241, 242, 243;</b>				<b>COMM-111Z, 112, 218Z; WR-241, 242, 243;</b>			
<b>Cultural Diversity Elective</b>							
<b>R-101, 102, 103, 210;</b>							
<b>Social Processes/Institutions Elective</b>							
<b>ANT-103; EC-201, 202; HST-101, 102, 103; PS-201, 204, 205; PSY-200, 205; SOC-204, 205;</b>							
<b>Western Culture Electives</b>							
<b>ART-204, 205, 206; GEO-208; HST-101, 102, 103, 201, 202, 203; PHL-102; PS-203;</b>							
<b>TOTAL CURRENT CREDITS:</b>			94-98	<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>	



## 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>		
AS Area of Emphasis Title: <b>English</b> AS.PSUENGLISH				<b>Associate of Applied Science Area of Emphasis</b>	<b>95-99</b>
Partnering Institution Name <b>Portland State University</b>					

Last amendment approved on 02.04.22

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>		

## 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 22-23</b></i>				<i><b>PROPOSED CURRICULUM 23-24</b></i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Program Requirements – First Year							
Fall Term							
ASL-101 or FR-101 or SPN-101	American Sign Language I or First-Year French I or First-Year Spanish I	44	4				
ENG-201 or ENG-204	Shakespeare or British Literature: Ancient to Enlightenment	44	4				
MTH-105 or MTH-111 or MTH-112 or MTH-251 or MTH-252	Math in Society or College Algebra or Trigonometry and Pre- Calculus or Calculus I or Calculus II	44-55	4-5	MTH-105Z or MTH-111Z or MTH-112Z or MTH-251 or MTH-252	Math in Society or Precalculus I: Functions or Precalculus II: Trigonometry or Calculus I or Calculus II	44-55	4-5
WR-121	English Composition	44	4	WR-121Z	Composition I	44	4
Winter Term							
ASL-102 or FR-102 or SPN-102	American Sign Language or First-Year French II or First-Year Spanish II	44	4				
ENG-202 or ENG-205 or ENG-253	Shakespeare or British Literature: Romantic to Contemporary or American Literature: Pre- Columbian to Civil War	44	4				
WR-122	English Composition	44	4	WR-122Z	Composition II	44	4
--	Social Science Elective		3-4				
Spring Term							
ASL-103 or FR-103 or SPN-103	American Sign Language or First-Year French III or First-Year Spanish III	44	4				
ENG-270	Introduction to Literary Criticism	44	4				
WR-222 or WR-240	English Composition or Creative Nonfiction Writing I	44	4				
--	Science Elective		4-5				
Program Requirements – Second Year							
Fall Term							
ASL-201 or FR-201 or SPN-201	Second-Year American Sign Language I or Second-Year French I or Second-Year Spanish I	44	4				
WR-248	Bookmaking: Design and Layout	44	4				

WR-140 Or 200-Level Creative Writing Elective	Introduction to Writing Creatively	44	4				
--	Social Science Elective		3-4				
<b>Winter Term</b>							
ASL-202 or FR-202 or SPN-202	Second-Year American Sign Language II or Second-Year French II or Second-Year Spanish II	44	4				
WR-241 Or WR-242	Fiction Writing I Or Poetry Writing I	44	4				
WR-246	Editing & Publishing	44	4				
WR-265	Digital Storytelling	44	4				
<b>Spring Term</b>							
ASL-203 or FR-203 or SPN-203	Second-Year American Sign Language III or Second-Year French III or Second-Year Spanish III	44	4				
ENG-297	A.S. Degree Portfolio	11	1				
WR-244 or WR-245 or WR-247 or WR-263	Fiction Writing II or Poetry Writing II Or Playwriting II or Screenwriting II	44	4				
--	English elective		8				
<b>Social Science Elective</b>							
<b>ANT-102;</b> <b>EC-201, 202;</b> <b>HST-101, 102, 103, 201, 202, 203;</b> <b>PS-200, 203, 204, 205;</b> <b>PSY-101, 205;</b> <b>SOC-204;</b> <b>WS-101;</b>							
<b>Science Electives</b>							
<b>BI-101, 102, 103, 112, 234;</b> <b>CH-104, 105, 106, 150, 221, 222, 223;</b> <b>ESR-171, 172, 173;</b> <b>G-201, 202, 203;</b> <b>PH-121, 122, 123, 201, 202, 203, 211, 212, 213;</b>							
<b>English Program Electives</b>							
<b>ENG-104, 105, 106, 107, 108, 109, 116, 121, 130, 194, 195,</b> <b>213, 218, 225, 226, 230, 250, 251, 252, 254, 255, 260, 261, 295;</b> <b>WR-268, 270;</b>							
<b>200-Level Creative Writing Electives</b>							
WR-240, 241, 243, 262;							
<b>TOTAL CURRENT CREDITS:</b>			95-99	<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>





## 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> English AS.UOENGLISH				<b>Associate of Applied Science Area of Emphasis</b>	<b>91-96</b>
<b>Partnering Institution Name</b> University of Oregon					

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

Last amendment approved on 12.03.21

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>		

## 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 22-23</b>								<b>PROPOSED CURRICULUM 23-24</b>			
Course Number	Course Title	Clock Hours	Credits		Course Number	Course Title	Clock Hours	Credits			
Program Requirements – First Year											
Fall Term											
ASL-101 or FR-101 or SPN-101	American Sign Language I or First-Year French I or First-Year Spanish I	44	4								
MTH-105 Or MTH-111 Or MTH-112 Or MTH-251 Or MTH-252	Math in Society or College Algebra or Trigonometry and Pre-Calculus or Calculus I or Calculus II	44-55	4-5		MTH-105Z or MTH-111Z or MTH-112Z or MTH-251 or MTH-252	Math in Society or Precalculus I: Functions or Precalculus II: Trigonometry or Calculus I or Calculus II	44-55	4-5			
WR-121	English Composition	44	4		WR-121Z	Composition I	44	4			
WR-140 Or --	Introduction to Writing Creatively Or Arts & Letters Elective		4								
Winter Term											
ASL-102 or FR-102 or SPN-102	American Sign Language or First-Year French II or First-Year Spanish II	44	4								
ESR-172 Or --	Environmental Science Or Science Elective		4-5								
--	Social Science Elective		3-4								
WR-122	English Composition	44	4		WR-122Z	Composition II	44	4			
Spring Term											
ASL-103 or FR-103 or SPN-103	American Sign Language or First-Year French III or First-Year Spanish III	44	4								
ESR-173 Or --	Environmental Science Or Science Elective		4-5								
ENG-270 Or --	Introduction to Literary Criticism Or Arts & Letters Elective		4								
WR-222	English Composition	44	4								
Program Requirements – Second Year											
Fall Term											
ASL-201 or FR-201 or SPN-201	Second-Year American Sign Language I or Second-Year French I or Second-Year Spanish I	44	4								
ENG-204	British Literature: Ancient to Enlightenment	44	4								
ENG-	Program Elective	44	4								
--	General Electives		4								

Winter Term							
ASL-202 or FR-202 or SPN-202	Second-Year American Sign Language II or Second-Year French II or Second-Year Spanish II	44	4				
ENG-205 or ENG-253	British Literature: Romantic to Contemporary or American Literature: Pre-Columbian to Civil War	44	4				
ENG-	Program Elective	44	4				
--	General Elective	44	4				
Spring Term							
ASL-203 or FR-203 or SPN-203	Second-Year American Sign Language III or Second-Year French III or Second-Year Spanish III	44	4				
ENG-254	American Literature: 1865 to Present	44	4				
ENG-297	A.S. Degree Portfolio	11	1				
HST-103 Or --	History of Western Civilization Or Social Science Elective		3-4				
Social Science Elective							
<b>ANT-102, 103, 232;</b> <b>EC-201, 202;</b> <b>GEO-110, 208;</b> <b>HST-101, 102, 103, 131, 132, 136, 137, 138, 201, 202, 203;</b> <b>PS-200, 201, 203, 204, 205;</b> <b>PSY-101, 205, 215, 219, 231;</b> <b>SSC-160, 235, 240;</b> <b>SOC-204, 205, 206, 210, 225;</b> <b>WS-101;</b>							
Other Science Electives							
<b>ANT-101;</b> <b>BI-101, 102, 103, 112, 160L, 165CL, 204, 211, 212, 213, 231, 232, 233, 234;</b> <b>CH-104, 105, 106, 112, 150, 221, 222, 223, 241, 242, 243;</b> <b>ESR-171, 172, 173;</b> <b>G-101, 102, 103, 145, 148, 201, 202, 203;</b> <b>PH-121, 122, 123, 201, 202, 203, 211, 212, 213;</b> <b>PSY-200;</b> <b>Z-201, 202, 203;</b>							
English Program Electives							
<b>ENG-104*, 105*, 106*, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 213, 218, 225, 226, 230, 240, 241, 250, 251, 252, 255, 260, 261, 295;</b> *Only one selection from ENG-104, -105, and -106 will count for credit at UO.							
General Elective							
Any other minimum 4-credit transferable course except prefix PE or HPE that is not already part of the degree requirements							
Arts & Letters Options							
Minimum 4 credits per term <b>WR-240, 241, 242, 243, 244, 245, 246, 262, 263, 265;</b> Or other Arts & Letters courses as listed in the CCC Catalog							
<b>TOTAL CURRENT CREDITS:</b>			91-96	<b>TOTAL PROPOSED CREDITS:</b>			

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



## 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>106-107</b>
<b>Partnering Institution Name Oregon State University</b>					

Last amendment approved on 12.02.22

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>			

## 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 22-23</b></i>				<i><b>PROPOSED CURRICULUM 23-24</b></i>			
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	WR-121Z	Composition I	44	4
<b>Winter Term</b>							
BI-204	Elementary Microbiology	44	4				
CH-222	General Chemistry	77	5				
ENGR-112	Engineering Programming	33	3				
MTH-252	Calculus II	55	5				
<b>Spring Term</b>							
CH-223	General Chemistry	77	5				
ENGR-115	Engineering Graphics	33	3				
MTH-254	Vector Calculus	55	5				
WR-227	Technical Report Writing	44	4	WR-227Z	Technical Writing	44	4
<b>Summer Term</b>							
COMM-111	Public Speaking	44	4	COMM-111Z	Public Speaking	44	4
MTH-256	Differential Equations	44	4				
<b>Program Requirements – Second Year</b>							
<b>Fall Term</b>							
ENGR-211	Statics	44	4				
PH-211	General Physics with Calculus	77	5				
--	Literature and the Arts Elective		3-4				
--	Social Processes elective		4				
<b>Winter Term</b>							
ENGR-212	Dynamics	44	4				
PH-212	General Physics with Calculus	77	5				
--	Western Culture elective		4				
<b>Spring Term</b>							
ENGR-213	Strength of Materials	44	4				
MTH-253	Calculus III	55	5				
PH-213	General Physics with Calculus	77	5				
--	Cultural Diversity Elective		4				
<b>Cultural Diversity Elective</b>							
ANT-232; ENG-213, 252; GEO-110; R-101, 102, 103, 210;							
<b>Literature and the Arts Elective</b>							
ART-101, 204, 205, 206; ENG-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 226, 230, 241, 250, 251, 252, 253, 254, 255, 260, 270; MUS-105, 205, 206;							
<b>Social Processes Elective</b>							
ANT-103; EC-201, 202; HST-101, 102, 103; PS-201, 204, 205, 225; PSY-200, 205, 219, 231;							

<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>Difference, Power, and Discrimination Elective</b>			
<b>HST-201, 202, 203;</b>			
<b>SOC-225;</b>			
<b>Biological Science Elective</b>			
<b>BI-101, 102, 103, 165CL, 175, 176, 177, 204, 211, 212, 213, 234;</b>			
<b>ESR-171, 172, 173;</b>			
<b>Z-201, 202, 203;</b>			
<b>Physical Education Elective</b>			
<b>HPE-295;</b>			
<b>TOTAL CURRENT CREDITS:</b>		<b>106-107</b>	<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>	



## 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</b> AS.PSUENVIRENGR				<b>Associate of Applied Science Area of Emphasis</b>	<b>99-100</b>
<b>Partnering Institution Name Portland State University</b>					

Last amendment approved on 01.21.22

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>		



## 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 22-23</b></i>				<i><b>PROPOSED CURRICULUM 23-24</b></i>			
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	WR-121Z	Composition I	44	4
<b>Winter Term</b>							
BI-204	Elementary Microbiology	66	4				
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	COMM-111Z	Public Speaking	44	4
MTH-254	Vector Calculus	55	5				
WR-227	Technical Report Writing	44	4	WR-227Z	Technical Writing	44	4
--	Arts & Letters elective		4				
<b>Program Requirements – Second Year</b>							
<b>Fall Term</b>							
ENGR-211	Statics	44	4				
GIS-201	Introduction to Geographic Information Systems	66	3				
PH-211	General Physics with Calculus	77	5				
--	Social Science elective		4				
<b>Winter Term</b>							
CDT-103	Computer-Aided Drafting I	66	3				
ENGR-212	Dynamics	44	4				
MTH-256	Differential Equations	44	4				
PH-212	General Physics with Calculus	77	5				
<b>Spring Term</b>							
ENGR-213	Strength of Materials	44	4				
MTH-261	Linear Algebra	44	4				
PH-213	General Physics with Calculus	77	5				
--	Arts & Letters or Social Science elective		3-4				
<b>Arts &amp; Letters Electives</b>							
<p>All courses in <b>ASL, COMM, ENG, FR, GER, HUM, PHL, SPN, WR</b>. Note that native speakers should only take advanced (300 level or above) foreign language courses. Non-performance based courses in art, journalism, music, and theater also meet this requirement.</p> <p>The accepted courses at CCC are:</p> <p><b>ART-101, 205, 206;</b>  <b>J-211;</b>  <b>MUS-105, 141, 205, 206, 230;</b>  <b>TA-101, 102;</b></p>							
<b>Social Science Electives</b>							
All courses in <b>ANT, EC, GEO, HST, PS, PSY, SOC, SSC, and WS</b> .							
<b>Recommended:</b>							
Complete one additional Arts & Letters or Social Science elective.							
<b>TOTAL CURRENT CREDITS:</b>			99-100	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Eric Lee	<b>Telephone No.</b>	6163
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer <i>or</i> CTE Dean Signature</b>		<b>Date</b>	



## 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>99-100</b>
<b>Partnering Institution Name Oregon State University</b>					

Last amendment approved on 12.02.22

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>		

## 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 22-23</b></i>				<i><b>PROPOSED CURRICULUM 23-24</b></i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Program Requirements – First Year</b>							
<b>Fall Term</b>							
COMM-111	Public Speaking	44	4	COMM-111Z	Public Speaking	44	4
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
WR-121	English Composition	44	4	WR-121Z	Composition I	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	WR-227Z	Technical 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	77	5				
--	Western Culture elective		4				
<b>Winter Term</b>							
CS-161	Computer Science I	44	4				
ENGR-212	Dynamics	44	4				
PH-212	General Physics with Calculus	77	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				
HPE-295	Health & Fitness for Life	60	3				
PH-213	General Physics with Calculus	77	5				
<b>Social Processes Elective</b>							
ANT-103; EC-201, 202; HST-101, 102, 103; PS-201, 204, 205, 225; PSY-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; ENG-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 226, 230, 241, 250, 251, 252, 253, 254, 255, 260, 270;							

<b>MUS-105, 205, 206;</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>			
<b>ANT-232;</b> <b>ENG-213, 252;</b> <b>GEO-110;</b> <b>R-101, 102, 103, 210;</b>			
<b>Difference, Power, and Discrimination Elective</b>			
<b>HST-201, 202, 203;</b> <b>SOC-225;</b>			
<b>Biological Science Elective</b>			
<b>BI-101, 102, 103, 165CL, 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>		99-100	<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>	



## 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.OITMECHENGR				<b>Associate of Applied Science Area of Emphasis</b>	<b>103-105</b>
<b>Partnering Institution Name</b> <b>Oregon Institute of Technology (Oregon Tech)</b>					

Last amendment approved on 01.29.21

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>		

## 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 22-23</b></i>				<i><b>PROPOSED CURRICULUM 23-24</b></i>			
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	WR-121Z	Composition I	44	4
<b>Winter Term</b>							
CH-222	General Chemistry	77	5				
ENGR-231	Properties of Materials	66	4				
MTH-252	Calculus II	55	5				
WR-122	English Composition	44	4	WR-122Z	Composition II	44	4
<b>Spring Term</b>							
COMM-111	Public Speaking	44	4	COMM-111Z	Public Speaking	44	4
ENGR-112	Engineering Programming	33	3				
MTH-254	Vector Calculus	55	5				
WR-227	Technical Report Writing	44	4	WR-227Z	Technical Writing	44	4
<b>Summer Term</b>							
MTH-256	Differential Equations	44	4				
MTH-261	Linear Algebra	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				
--	Social Science Elective		3-4				
<b>Winter Term</b>							
CDT-103	Computer-Aided Drafting I	66	3				
ENGR-212	Dynamics	44	4				
PH-212	General Physics with Calculus	70	5				
--	Humanities Electives		3-4				
<b>Spring Term</b>							
EC-201 Or EC-202	Principles of Economics: MICRO or Principles of Economics: MACRO	44	4				
ENGR-201	Electrical Fundamentals	66	4				
ENGR-213	Strength of Materials	44	4				
PH-213	General Physics with Calculus	70	5				
<b>Track Requirements</b>							
<b>Social Science Electives</b>							
Choose courses from the following subjects: <b>ANT, EC, GEO, HST, PS, PSY, SOC, SSC, WS</b>							
<b>Humanities Electives</b>							
Choose courses from the following subjects: <b>ART, ASL (200-level), ENG, FR (200-level), GER (200-level), HUM, MUS, PHL, R, SPN (200-level), TA</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 Institute of Technology and is listed below. <b>COMM-219</b>							

<b>WLD-150</b>			
Additional Social Science Elective from the list above			
<b>TOTAL CURRENT CREDITS:</b>	103-105	<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> CTE Dean Signature</b>		<b>Date</b>	





## 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 – Mechanical Engineering</b> AS.OSUSMECHENGR				<b>Associate of Applied Science Area of Emphasis</b>	<b>100-101</b>
<b>Partnering Institution Name Oregon State University</b>					

Last amendment approved on 12.02.22

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>			

## 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 22-23</b></i>				<i><b>PROPOSED CURRICULUM 23-24</b></i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Program Requirements – First Year</b>							
<b>Fall Term</b>							
COMM-111	Public Speaking	44	4	COMM-111Z	Public Speaking	44	4
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
WR-121	English Composition	44	4	WR-121Z	Composition I	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	WR-227Z	Technical 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	77	5				
--	Western Culture elective		4				
<b>Winter Term</b>							
CS-161	Computer Science I	44	4				
ENGR-212	Dynamics	44	4				
ENGR-222	Electrical Circuit Analysis II	66	4				
PH-212	General Physics with Calculus	77	5				
<b>Spring Term</b>							
ENGR-213	Strength of Materials	44	4				
PH-213	General Physics with Calculus	77	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>ENG-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 226, 230, 241, 250, 251, 252, 253, 254, 255, 260, 270;</b> <b>MUS-105, 205, 206;</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-232; ENG-213, 252; GEO-110; 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, 165CL, 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>		100-101	<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>	



## 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					
APPROVED Program Title	APPROVED CIP Code <small>(Include 7<sup>th</sup> &amp; 8<sup>th</sup> digits used for OCCURS reporting.)</small>			APPROVED Recognition Award	Current Credits
	6-digit CIP	7 <sup>th</sup> digit	8 <sup>th</sup> digit		
<b>AS Area of Emphasis Title:</b> <b>Engineering – Mechanical</b> AS.PSUMECHENGR				<b>Associate of Applied Science Area of Emphasis</b>	<b>100-101</b>
<b>Partnering Institution Name</b> <b>Portland State University</b>					

Last amendment approved on 05.01.2020

TYPE OF PROGRAM AMENDMENT		
(Check ALL That Apply)		
<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>		

## 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 22-23</b></i>				<i><b>PROPOSED CURRICULUM 23-24</b></i>			
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	WR-121Z	Composition I	44	4
<b>Winter Term</b>							
CH-222	General Chemistry	77	5				
ENGR-112	Engineering Programming	33	3				
ENGR-231	Properties of Materials	66	4				
MTH-252	Calculus II	55	5				
<b>Spring Term</b>							
COMM-111	Public Speaking	44	4	COMM-111Z	Public Speaking	44	4
ENGR-115	Engineering Graphics	33	3				
MTH-254	Vector Calculus	55	5				
--	Arts & Letters or Social Science elective		4				
<b>Program Requirements – Second Year</b>							
<b>Fall Term</b>							
ENGR-211	Statics	44	4				
MTH-261	Linear Algebra	44	4				
PH-211	General Physics with Calculus	77	5				
--	Arts & Letters elective		4				
<b>Winter Term</b>							
ENGR-212	Dynamics	44	4				
MTH-256	Differential Equations	44	4				
PH-212	General Physics with Calculus	77	5				
--	Social Science elective		4				
<b>Spring Term</b>							
ENGR-201	Electrical Fundamentals	66	4				
ENGR-213	Strength of Materials	44	4				
PH-213	General Physics with Calculus	77	5				
--	Arts & Letters or Social Science elective		3-4				
<b>Arts &amp; Letters or Social Science Electives</b>							
<b>Arts &amp; Letters</b>							
All courses in <b>ASL, COMM, ENG, FR, GER, HUM, PHL, SPN, WR</b> . Note that native speakers should only take advanced (300 level or above) world language courses. Non-performance based courses in art, journalism, music, and theater also meet this requirement. The accepted courses at CCC are: <b>ART-101, 205, 206;</b> <b>J-211;</b> <b>MUS-105, 141, 205, 206, 230;</b> <b>TA-101, 102;</b>							
<b>Social Science</b>							
All courses in <b>ANT, EC, GEO, HST, PS, PSY, SOC, SSC, and WS</b> .							
<b>Optional</b>							
While not required for the AS degree, mechanical engineering students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science							

degree at Portland State University.  
Additional courses include (1) One additional Arts & Letters or Social Science elective and (2) Approved Science Elective: Any minimum 4 credit course from Biology, Chemistry, Environmental Science, Geology, or Physics.

<b>TOTAL CURRENT CREDITS:</b>	100-101	<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> CTE Dean Signature</b>		<b>Date</b>	



## 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 12.03.21

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>		

## CURRICULUM AMENDMENT

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

CURRICULUM AMENDMENT							
<i>CURRENT CURRICULUM 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course Number	Course Title	Clock Hours	Credits	Course Number	Course Title	Clock Hours	Credits
Program Requirements – First Year							
Fall Term							
MUP-102 Or MUP-105 Or MUP-122 Or MUP-141	Wind Ensemble or Jazz Ensemble or Chamber Choir or College Orchestra		1-2				
*MUP-171-191 Or MUP-171J-191J	Individual Lessons or Individual Lessons/Jazz	20	2				
MUS-111	Music Theory I	33	3				
MUS-111L	Music Notation Software I	22	1				
MUS-114	Aural Skills I	22	2				
MUS-127	Keyboard Skills I	22	2				
MUS-189	Performance & Repertoire	10	1				
WR-121	English Composition	44	4	WR-121Z	Composition I	44	4
Winter Term							
MUP-102 Or MUP-105 Or MUP-122 Or MUP-141	Wind Ensemble or Jazz Ensemble or Chamber Choir or College Orchestra		1-2				
*MUP-171-191 Or MUP-171J-191J	Individual Lessons or Individual Lessons/Jazz	20	2				
MUS-112	Music Theory I	33	3				
MUS-112L	Music Notation Software I	22	1				
MUS-115	Aural Skills I	22	2				
MUS-128	Keyboard Skills I	22	2				
MUS-189	Performance & Repertoire	10	1				
MTH-105 Or MTH-111 or MTH-112 or MTH-251 or MTH-252	Math in Society Or College Algebra or Trigonometry and Pre-Calculus or Calculus I or Calculus II	44-55	4-5	MTH-105Z or MTH-111Z or MTH-112Z or MTH-251 or MTH-252	Math in Society or Precalculus I: Functions or Precalculus II: Trigonometry or Calculus I or Calculus II	44-55	4-5
Spring Term							
MUP-102 Or MUP-105 Or MUP-122 Or MUP-141	Wind Ensemble or Jazz Ensemble or Chamber Choir or College Orchestra		1-2				
*MUP-171-191 Or	Individual Lessons or Individual Lessons/Jazz	20	2				



MUP-171J-191J							
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	WR-122Z	Composition II	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 General Education Electives**

<b>ART-101, 115, 117, 131, 204, 205, 206, 225, 226, 227, 250, 251, 252, 253, 254, 255, 281, 282, 283, 284, 285, 286, 291, 292, 293;</b> <b>ASL-201, 202, 203;</b> <b>BA-130;</b> <b>COMM-126, 140, 212, 218, 219, 227;</b> <b>ENG-104, 105, 106, 107, 108, 109, 116, 121, 130, 195, 201, 202, 204, 205, 213, 218, 226, 240, 241, 250, 251, 252, 253, 254 270;</b> <b>FR-201, 202, 203, 211;</b> <b>HUM-160, 235, 240, 241, 242;</b> <b>J-211;</b> <b>MUS-105, 111, 112, 113, 205, 206, 211, 212, 213;</b> <b>PHL-101, 102, 103, 205, 210;</b> <b>SPN-201, 202, 203;</b> <b>TA-101, 102, 103, 141, 142, 143;</b> <b>WR-241, 242, 243, 244, 245, 248, 262, 263, 265, 270;</b>	<b>ART-101, 115, 117, 131, 204, 205, 206, 225, 226, 227, 250, 251, 252, 253, 254, 255, 281, 282, 283, 284, 285, 286, 291, 292, 293;</b> <b>ASL-201, 202, 203;</b> <b>BA-130;</b> <b>COMM-126, 140, 212, 218Z, 219, 227;</b> <b>ENG-104, 105, 106, 107, 108, 109, 116, 121, 130, 195, 201, 202, 204, 205, 213, 218, 226, 240, 241, 250, 251, 252, 253, 254 270;</b> <b>FR-201, 202, 203, 211;</b> <b>HUM-160, 235, 240, 241, 242;</b> <b>J-211;</b> <b>MUS-105, 111, 112, 113, 205, 206, 211, 212, 213;</b> <b>PHL-101, 102, 103, 205, 210;</b> <b>SPN-201, 202, 203;</b> <b>TA-101, 102, 103, 141, 142, 143;</b> <b>WR-241, 242, 243, 244, 245, 248, 262, 263, 265, 270;</b>
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**Social Science General Education Electives**

<b>ANT-101, 102, 103, 232;</b> <b>CJA-101;</b> <b>EC-201, 202;</b> <b>GEO-100, 110, 130, 208;</b> <b>HST-101, 102, 103, 130, 131, 132, 136, 137, 138, 201, 202, 203;</b> <b>PS-200, 201, 203, 204, 205, 225, 297;</b> <b>PSY-200, 205, 215, 219, 231;</b> <b>SOC-204, 205, 206, 210, 225;</b> <b>SSC-160, 235, 240, 241, 242;</b> <b>WS-101;</b>	
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**Science/Math/Computer Science General Education Electives**

<b>ASC-175, 176, 177;</b> <b>BI-101, 102, 103, 112, 160, 160L, 165C, 165CL, 165D, 175, 176, 177, 204, 211, 212, 213, 231, 232, 233, 234;</b> <b>CH-104, 105, 106, 112, 114, 221, 222, 223;</b> <b>ESR-171, 172, 173;</b> <b>G-101, 102, 103, 148, 201, 202, 203;</b> <b>GS-104, 105, 106, 107;</b> <b>MTH-211, 212, 213, 243, 244, 252*, 253, 254, 256, 261;</b> <b>PH-121, 122, 123, 201, 202, 203, 211, 212, 213;</b> <b>Z-201, 202, 203;</b>	<b>ASC-175, 176, 177;</b> <b>BI-101, 102, 103, 112, 160, 160L, 165C, 165CL, 165D, 175, 176, 177, 204, 211, 212, 213, 231, 232, 233, 234;</b> <b>CH-104, 105, 106, 112, 114, 221, 222, 223;</b> <b>ESR-171, 172, 173;</b> <b>G-101, 102, 103, 148, 201, 202, 203;</b> <b>GS-104, 105, 106, 107;</b> <b>MTH-211, 212, 213, 243, 244, 252*, 253, 254, 256, 261;</b> <b>PH-121, 122, 123, 201, 202, 203, 211, 212, 213;</b> <b>STAT-243Z;</b> <b>Z-201, 202, 203;</b>
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\*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.

<b>TOTAL CURRENT CREDITS:</b>	100-107	<b>TOTAL PROPOSED CREDITS:</b>	
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<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>	

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-121Z and either 122Z, or 227Z</p>
<p><b>Oral Communication</b> 1 course</p>	<p>COMM-111Z</p>
<p><b>Mathematics</b> Minimum of 3 courses, including one course of statistics</p>	<p>MTH-111Z or higher level Math or Statistics, 4 credits of statistics (<del>MTH-243</del> STAT-243Z 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, 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, 218Z*, 219*, 227 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*, 270, 271*, 272*, 273*, 295*, 296 FR-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-240, 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*, 232* CIA-101, 201 EC-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, 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, for a listing of courses that may be included.</p>

\* Course meets Cultural Literacy requirement.

See course descriptions 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
<i>Choose from the following courses to meet degree requirements. All courses must be passed with a C or better.</i>	

<b>Writing</b> 8 credits, information literacy will be included in the Writing Requirement.	<b>WR-121Z, and either 122Z or 227Z</b>
<b>Oral Communication - 1 course</b>	<b>COMM-111Z</b>
<b>Mathematics - 2 courses</b>	<b>MTH-251 and MTH-252.</b>
<b>Health/Wellness/Fitness</b> 1 or more HE, HPE or PE courses totaling at least 3 credits.	<b>PE-185, 194, 240, 260, 270, 294, 294A            HE-201, 202, 204, 205, 207, 223, 249, 250, 252, 261            HPE-295</b>
<b>GENERAL EDUCATION DISTRIBUTION AREA</b>  <b>Arts &amp; Letters</b> <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>	<b>ART-101, 115, 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, 218Z*, 219*, 227            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*, 270, 271*, 272*, 273*, 295*, 296            FR-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-240, 241*, 242, 243, 244*, 245, 247, 248, 262, 263, 265, 270            WS-101*</b>
<b>GENERAL EDUCATION DISTRIBUTION AREA</b>  <b>Social Science</b> <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>	<b>ANT-101, 102*, 103*, 232*            CIA-101, 201            EC-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*</b>
<b>GENERAL EDUCATION DISTRIBUTION AREA</b>  <b>Science/Math/Computer Science</b> <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>	<b>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, 148, 201, 202, 203            GS-104, 105, 106, 107            MTH-105Z, 111Z, 112Z, 211, 212, 213, 243, 244, 251, 252, 253, 254, 256, 261</b>

	<p>PH-121, 122, 123, 201, 202, 203, 211, 212, 213  <b>STAT-243Z</b>  Z-201, 202, 203</p>
<p><b>Cultural Literacy - 1 course</b>  • Each course must be at least 3 credits.</p>	<p>Courses meeting the Cultural Literacy requirement are noted with an asterisk.</p>
<p><b>Computer Science Specific Requirements</b>  • Minimum of 16 credits in Computer Science consisting of these courses.  • Each course in this section must be completed with a grade of C or better.  • Each course must be at least 3 credits.</p>	<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, or a listing of courses that may be included.</p>

*See course descriptions for course requisites.*

**Note: 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
	<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 – Renewable Energy</b> AS.OITRNWNRGNGR				<b>Associate of Applied Science Area of Emphasis</b>	<b>99-103</b>
<b>Partnering Institution Name Oregon Institute of Technology (Oregon Tech)</b>					

Last amendment approved on 05.20.22

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>		

## 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 22-23</b></i>				<i><b>PROPOSED CURRICULUM 23-24</b></i>			
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				
MTH-251	Calculus I	55	5				
ENGR-111	Introduction to Engineering		3				
WR-121	English Composition	44	4	WR-121Z	Composition I	44	4
<b>Winter Term</b>							
CH-222	General Chemistry	77	5				
COMM-111	Public Speaking	44	4	COMM-111Z	Public Speaking	44	4
MTH-252	Calculus II	55	5				
--	Humanities Elective		3-4				
<b>Spring Term</b>							
EC-201 Or EC-202	Principles of Economics: MICRO or Principles of Economics: MACRO	44	4				
MTH-261	Linear Algebra	44	4				
WR-227	Technical Report Writing	44	4	WR-227Z	Technical Writing	44	4
--	Humanities Elective		3-4				
<b>Program Requirements – 2<sup>nd</sup> Year</b>							
<b>Fall Term</b>							
ENGR-211	Statics	44	4				
ENGR-221	Electrical Circuit Analysis I	33	4				
MTH-254	Vector Calculus	55	5				
PH-211	General Physics with Calculus	77	5				
<b>Winter Term</b>							
ENGR-222	Electrical Circuit Analysis II	66	4				
MTH-256	Differential Equations	44	4				
PH-212	General Physics with Calculus	77	5				
WR-122	English Composition	44	4	WR-122Z	Composition II	44	4
<b>Spring Term</b>							
ENGR-223	Electrical Circuit Analysis III	66	4				
PH-213	General Physics with Calculus	77	5				
--	Social Science Elective		3-4				
--	Social Science Elective		3-4				
<b>Social Science Electives</b>							
Choose courses from the following subjects: <b>ANT, EC, GEO, HST, PS, PSY, SOC, SSC, WS</b>							
<b>Humanities Electives</b>							
Choose courses from the following subjects: <b>ART, ASL (200-level), ENG, FR (200-level), GER (200-level), HUM, MUS, PHL, R, SPN (200-level), TA</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 Institute of Technology and is listed below. COMM-219 Up to 3 additional Social Science Elective credits from the list above Up to 6 additional Humanities Elective credits from the list above							
<b>TOTAL CURRENT CREDITS:</b>			99-103	<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 <i>or</i> CTE Dean Signature</b>		<b>Date</b>	

AGS.GENERAL

Associate of General Studies Degree (AGS)

Requirements	Credit/Courses Required
Writing - 1 course	WR-121Z
Communication - 1 course	COMM-100Z, 111Z, 112, 126, 140, 212, 218Z, 219, 227
Mathematics - 1 course	MTH-065, 080, 095, 098, 105Z or higher level Math or Statistics
Health & Physical Education - 1 course	Any 100-level course or above from the Physical Education/Health/Safety/First Aid Related Instruction list
Arts & Letters - 4 credits	ART-101, 115, 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, 218Z, 219, 227 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, 270, 271, 272, 273, 295, 296 FR-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-240, 241, 242, 243, 244, 245, 247, 248, 262, 263, 265, 270 WS-101
Social Science - 4 credits	ANT-101, 102, 103, 232 CIA-101, 201 EC-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, 148, 201, 202, 203 GS-104, 105, 106, 107 MTH-105Z, 111Z, 112Z, 211, 212, 213, 243, 244, 251, 252, 253, 254, 256, 261 PH-121, 122, 123, 201, 202, 203, 211, 212, 213 STAT-243Z 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.



## 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

<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> di</i>	<i>8<sup>th</sup> digit</i>		
<b>AAS Title:</b> <b>Auto Body/Collision Repair and Refinishing Technology</b> AAS.ABCOLRRTECH	<b>47.060</b>			✓ <b>AAS</b> <b>(90-108 credits)</b>	<b>91-92</b>
<b>Option Title**</b>				<input type="checkbox"/> <i>OPTION</i> to AAS Degree	
<b>Related Programs:</b> Auto Body Specialist Auto Body/Collision Repair and Refinishing Technology				<input type="checkbox"/> Certificate of Completion	

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

LAST AMENDMENT APPROVED ON 01/18/19

### 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> _____
<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>	_____	

## 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 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course Number	Course Title	Clock Hours	Credits	Course Number	Course Title	Clock Hours	Credits
<b>Auto Body/Collision Repair and Refinishing Technology Associate of Applied Science Degree: 1<sup>st</sup> Year</b>							
<b>Fall</b>							
AB-112	Collision Repair Welding I	48	2				
AB-113	Collision Repair I/Nonstructural	132	6				
ABR-125	Collision Repair/Refinishing I	132	6				
<b>MTH-050 Or MTH-065</b>	<b>Technical Mathematics I or Algebra II</b>	<b>44</b>	<b>4</b>				
<b>Winter</b>							
AB-123	Collision Repair Welding II	48	2				
AB-133	Collision Repair II/Structural	132	6				
ABR-127	Collision Repair/Refinishing II	132	6				
<b>Spring</b>							
AB-222	Collision Repair III/Advanced Structural	132	6				
ABR-129	Collision Repair/Refinishing III	132	6				
--	<b>Human Relations requirement (Recommended: COMM-100 or PSY-101)</b>		<b>3</b>	--	<b>Human Relations requirement (Recommended: COMM-100Z or PSY-101)</b>		<b>3</b>
<b>Auto Body/Collision Repair and Refinishing Technology Associate of Applied Science Degree: 2<sup>nd</sup> Year</b>							
<b>Fall</b>							
AB-149	Collision Repair Estimating I	28	2				
AB-224	Collision Repair IV/Advanced Structural	132	6				
ABR-225	Production Shop Techniques	132	6				
--	<b>PE/Health/Safety/First Aid requirement (Recommended: HE-252 or MFG-107)</b>		<b>3</b>				
<b>Winter</b>							
AB-150	Collision Repair Computerized Estimating - Audatex	44	2				
AB-226	Collision Repair V/Advanced Structural	132	6				
AB-235	Collision Repair Welding III	48	2				
ABR-227	Restoration Practices	132	6				

Spring							
AB-151	Collision Repair Computerized Estimating - CCC ONE	44	2				
AB-280	Collision Repair/CWE	216	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>	<b>WR-101 Or WR-121Z</b>	<b>Communication Skills: Occupational Writing or English Composition I</b>	<b>33- 44</b>	<b>3-4</b>
<b>TOTAL CURRENT CREDITS:</b>			91-92	<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>	



## 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>Automotive Service Technology</b> AAS.AUTOSERTECH	47.0604			<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 Related programs: Under Car Technician-Automatic Transmission CPCC Under Car Technician-Manual Transmission CPCC				<input type="checkbox"/> <b>Certificate of Completion</b>	

LAST AMENDMENT APPROVED ON 01/15/21

### 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>CURRENT CURRICULUM 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>				
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-101	Intro to Automotive Service Technology	24	2					
AM-129	Electrical Systems I	100	5					
AM-130	Brake Systems	100	5					
<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-131	Suspensions Systems	100	5					
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>WR-101 Or WR-121Z</b>	<b>Communication Skills: Occupational Writing or Composition I</b>	<b>33- 44</b>	<b>3-4</b>	
--	<b>PE/Health/Safety/First Aid requirement (Recommended: HE-252 or MFG-107)</b>		<b>3</b>					
<b>Spring Term</b>								
AM-135	Power Transmission Systems	100	5					
AM-142	Engine Performance I	100	5					
--	<b>Human Relations requirement (Recommended: PSY- 101 or COMM-100)</b>		<b>3</b>	<b>--</b>	<b>Human Relations requirement (Recommended: PSY- 101 or COMM-100Z)</b>		<b>3</b>	
<b>Automotive Service Technology Associate of Applied Science Degree: 2<sup>nd</sup> Year</b>								
<b>Fall Term</b>								
AM-201	Automotive Internship	33	3					
AM-224	Comfort Systems	100	5					
AM-229	Electrical Systems II	100	5					
<b>Winter Term</b>								
AM-242	Engine Performance II	100	5					
AM-245	Automatic Transmission Systems	100	5					
AM-280	Auto Mechanics/CWE	216	6					
<b>Spring Term</b>								
AM-223	Alternative Fuels Transportation Technology	100	5					
AM-225	Safety Systems	100	5					
AM-228	Service Shop Management	44	4					
WLD-102	Introduction to Welding	44	2					
<b>TOTAL CURRENT CREDITS:</b>			90-91	<b>TOTAL PROPOSED CREDITS:</b>				

<b>College Contact</b>	Jay Leuck	<b>Telephone No.</b>	3052
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer <i>or</i> PTE Dean Signature</b>		<b>Date</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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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	<u>APPROVED</u> CIP Code (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)			<u>APPROVED</u> Recognition Award	<u>Curren</u> <u>t</u> 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>Business</b> AAS.BUSINESS	52.0201			<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 03.05.21

### 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>
<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>CURRENT CURRICULUM 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Business Associate of Applied Science Degree: 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-131	Introduction to Business Computing	44	4				
<b>WR-121</b>	<b>English Composition</b>	<b>44</b>	<b>4</b>	<b>WR-121Z</b>	<b>Composition I</b>	<b>44</b>	<b>4</b>
--	<b>PE/Health/Safety/ First Aid requirement</b>		<b>1</b>				
Winter Term							
BA-119	Project Management Practices	22	2				
BA-226	Business Law I	44	4				
BA-251	Supervisory Management	33	3				
<b>BA-285</b>	<b>Human Relations in Business</b>	<b>44</b>	<b>4</b>				
--	Business program elective		3-4				
Spring Term							
BA-206	Management Fundamentals	44	4				
BA-223	Principles of Marketing	44	4				
BA-224	Human Resource Management	44	4				
--	Business program elective		3-4				
Business Associate of Applied Science Degree: 2 <sup>nd</sup> Year							
Fall Term							
BA-205	Business Communications with Technology	44	4				
BA-211	Financial Accounting	44	4				
--	Business program electives		8				
Winter Term							
BA-213	Decision Making with Accounting Information	44	4				
WR-227	Technical Report Writing	44	4	<b>WR-227Z</b>	<b>Technical Writing</b>	<b>44</b>	<b>4</b>
--	Business program elective		6-8				
Spring Term							
BA-217	Budgeting for Managers	33	3				
BA-250	Small Business Management	44	4				
--	Business program elective		8				
Business Program Electives (28-32 credits)							
Note: By completing all AAS Degree requirements, you will satisfy the requirements for the 1 year Business Management certificate and the Management Fundamentals Career Pathway certificate.							

Complete these electives in your AAS Business program to satisfy requirements for the 1 year Human Resource Management Certificate:							
BA-208	Employee and Labor Relations	44	4				
BA-229	Employment Law	44	4				
BA-254	Basic Compensation & Benefits	44	4				
Complete these electives in your AAS Business program to satisfy requirements for the 1 year Marketing Certificate:							
BA-156	Business Forecasting	33	3				
BA-238	Sales	44	4				
BA-239	Advertising	44	4				
BA-261	Consumer Behavior	44	4				
Complete these electives in your AAS Business program to satisfy requirements for the less-than-1-year Retail Management Certificate:							
BA-249	Retailing	33	3				
Or complete any Business Administration (BA) or Business Technology (BT) course not included in the Business AAS program							
Or any course from the following:							
CS-125H	HTML & Web Site Design	33	3				
CS-135S	Microsoft Excel	33	3				
CS-181	CMS Web Development	33	3				
COMM-111	Public Speaking	44	4	COMM-111Z	Public Speaking	44	4
EC-201	Principles of Economics: MICRO	44	4				
EC-202	Principles of Economics: MACRO	44	4				
<b>TOTAL CURRENT CREDITS:</b>			92-96	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Sharon Parker	<b>Telephone No.</b>	3075
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>		<b>Date</b>	



## 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
	6-digit CIP	7 <sup>th</sup> digit	8 <sup>th</sup> digit		
<b>AAS Title:</b>				<input type="checkbox"/> Associate of Applied Science (AAS) Degree	
<b>Related Program:</b> Management Fundamentals Career Pathway				<input type="checkbox"/> OPTION to AAS Degree	
<b>Certificate Title:</b> <i>Within</i> AAS Degree? <input type="checkbox"/> Yes** <input checked="" type="checkbox"/> No <b>Business Management</b> CC.BUSMANAGEMENT	52.0201			<input checked="" type="checkbox"/> CC1 (45-60 credits)	47

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

Last amendment approved on 03.05.2021

### 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>		

**++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 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Business Management Certificate							
Fall Term							
BA-101	Introduction to Business	44	4				
<b>BA-104</b>	<b>Business Math</b>	<b>33</b>	<b>3</b>				
BA-131	Introduction to Business Computing	44	4				
<b>WR-121</b>	<b>English Composition</b>	<b>44</b>	<b>4</b>	<b>WR-121Z</b>	<b>Composition I</b>	<b>44</b>	<b>4</b>
Winter Term							
BA-119	Project Management Practices	22	2				
BA-211	Financial Accounting	44	4				
BA-226	Business Law I	44	4				
BA-251	Supervisory Management	33	3				
<b>BA-285</b>	<b>Human Relations in Business</b>	<b>44</b>	<b>4</b>				
Spring Term							
BA-206	Management Fundamentals	44	4				
BA-217	Budgeting for Managers	33	3				
BA-223	Principles of Marketing	44	4				
BA-224	Human Resource Management	44	4				
Catalog Notes							
All courses in this program can be applied to partially satisfy requirements in the Business AAS degree.							
<b>TOTAL CURRENT CREDITS:</b>			47	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Sharon Parker	<b>Telephone No.</b>	3075
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>		<b>Date</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 (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)			<u>APPROVED</u> Recognition Award	Current Credits
	6-digit CIP	7 <sup>th</sup> digit	8 <sup>th</sup> digit		
<b>AAS Title:</b> <b>Computer &amp; Network Administration</b> AAS.COMPNETADMIN	11.0901			<input checked="" type="checkbox"/> <b>AAS</b> (90-108 credits)	<b>90-94</b>
<b>Option Title**</b>				<input type="checkbox"/> <i>OPTION</i> to AAS Degree	
<b>Certificate Title:</b> <i>Within</i> AAS Degree? <input type="checkbox"/> Yes** <input type="checkbox"/> No Related Program: Computer & Network Administration Certificate				<input type="checkbox"/> Certificate of Completion	

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

Last amendment approved 06.03.22

### 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>
<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>CURRENT CURRICULUM 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Computer &amp; Network Administration Associate of Applied Science: 1<sup>st</sup> Year</b>							
<b>Fall Term</b>							
CS-140	Introduction to Operating Systems	44	4				
CS-227	Computer Hardware & Repair	66	4				
<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>WR-101 Or WR-121Z</b>	<b>Communication Skills: Occupational Writing or Composition I</b>	<b>33- 44</b>	<b>3-4</b>
<b>Winter Term</b>							
CS-151	Networking 1	66	4				
CS-228	Computer OS Maintenance & Repair	66	4				
CS-240W	Windows Desktop Administration	55	3				
--	Computer & Network Administration program elective		3-5				
<b>Spring Term</b>							
CS-152	Networking 2	66	4				
CS-225	Computer End User Support	44	3				
CS-240L	Linux Administration I	44	4				
CS-279W	Windows Server Administration	60	4				
<b>Summer Term</b>							
CS-125H	HTML & Web Site Design	33	3				
CS-280	Computer Science/CWE	108	3				
--	<b>Computation requirement</b>		<b>3</b>				
--	<b>Human Relations requirement</b>		<b>3-4</b>				
<b>Computer &amp; Network Administration Association of Applied Science Degree: 2<sup>nd</sup> Year</b>							
<b>Fall Term</b>							
CS-135DB	Microsoft Access	33	3				
CS-153	Networking 3	66	4				
CS-280	Computer Science/CWE	108	3				
--	<b>PE/Health/Safety/ First Aid requirement</b>		<b>1</b>				
--	Computer & Network Administration program elective		3-4				
<b>Winter Term</b>							



CS-240M	macOS Administration	55	3				
CS-275	Database Design	33	3				
CS-284	Network Security	66	3				
CS-288W	Windows Network Administration	66	4				
Spring Term							
CS-280	Computer Science/CWE	108	3				
CS-297N	Networking Capstone	66	4				
--	Computer & Network Administration program elective		4				
Computer & Network Administration Program Electives							
BA-101 Or BA-103	Introduction to Business or Business Strategies for Computer Consultants	33-44	3-4				
BA-120	Project Management Fundamentals	44	4				
BT-177	Microsoft Project	33	3				
FYE-101	First Year Experience Level I	22	2				
WR-227	Technical Report Writing	44	4	WR-227Z	Technical Writing	44	4
--	Any computer science course numbered CS-125 or higher		3-4				
<b>TOTAL CURRENT CREDITS:</b>			90-95	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Rick Carino	<b>Telephone No.</b>	3167
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>		<b>Date</b>	



## 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	<u>Curren</u> <u>t</u> Credits
	<u>6-digit CIP</u>	<u>7<sup>th</sup> digit</u>	<u>8<sup>th</sup> digit</u>		
<b>AAS Title:</b> Computer & Network Administration 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 Computer & Network Administration CC.COMPNETADMIN	<b>11.0901</b>			<input checked="" type="checkbox"/> CC1R Related Certificate (45-60 credits)	<b>52-56</b>

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

Last amendment approved on 06.03.22

### 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>
<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>CURRENT CURRICULUM 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Computer & Network Administration Certificate							
Fall Term							
CS-140	Introduction to Operating Systems	44	4				
CS-227	Computer Hardware & Repair	66	4				
<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>WR-101 Or WR-121Z</b>	<b>Communication Skills: Occupational Writing or Composition I</b>	<b>33- 44</b>	<b>3-4</b>
Winter Term							
CS-151	Networking 1	66	4				
CS-228	Computer OS Maintenance & Repair	66	4				
CS-240W	Windows Desktop Administration	55	3				
--	Computer & Network Administration program elective		3-5				
Spring Term							
CS-152	Networking 2	66	4				
CS-225	Computer End User Support	44	3				
CS-240L	Linux Administration I	44	4				
CS-279W	Windows Server Administration	60	4				
Summer Term							
CS-125H	HTML & Web Site Design	33	3				
CS-280	Computer Science/CWE	108	3				
--	<b>Computation requirement (</b>		<b>3</b>				
--	<b>Human Relations requirement (</b>		<b>3-4</b>				
Computer & Network Administration Program Electives							
BA-101 Or BA-103	Introduction to Business or Business Strategies for Computer Consultants	33-44	3-4				
BA-120	Project Management Fundamentals	44	4				
BT-177	Microsoft Project	33	3				
FYE-101	First Year Experience Level I	22	2				
WR-227	Technical Report Writing	44	4	<b>WR-227Z</b>	<b>Technical Writing</b>	<b>44</b>	<b>4</b>

--	Any computer science course numbered CS-125 or higher		3-4				
<b>TOTAL CURRENT CREDITS:</b>			52-56	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Rick Carino	<b>Telephone No.</b>	3167
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer <i>or</i> PTE Dean Signature</b>		<b>Date</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>	
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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>Certificate Title:</b> <i>Within</i> AAS Degree? <input checked="" type="checkbox"/> Yes** <input type="checkbox"/> No <b>Computer Application Specialist</b> CC.COMPAPPSPECIAL	<b>11.0202</b>			<input checked="" type="checkbox"/> CC1 Certificate (45-60 credits)	<b>52-54</b>

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

Last amendment approved on 02.04.22

### 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> <input type="text"/>	
<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><b>CURRENT CURRICULUM 22-23</b></i>				<i><b>PROPOSED CURRICULUM 23-24</b></i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Fall Term</b>							
CS-140	Introduction to Operating Systems	44	4				
CS-227	Computer Hardware & Repair	66	4				
<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>WR-101 Or WR-121Z</b>	<b>Communication Skills: Occupational Writing or Composition I</b>	<b>33- 44</b>	<b>3-4</b>
--	Computer Application Specialist program electives		3-4				
<b>Winter Term</b>							
CS-135S	Microsoft Excel	33	3				
CS-135W	Microsoft Word	33	3				
CS-151	Networking I	66	4				
CS-240W	Windows Desktop Administration	55	3				
<b>Spring Term</b>							
BA-103	Business Strategies for Computer Consultants	33	3				
CS-135DB	Microsoft Access	33	3				
CS-225	Computer End User Support	44	3				
CS-240L	Linux Administration I	44	4				
<b>Summer Term</b>							
CS-125H	HTML & Web Site Design	33	3				
CS-280	Computer Science/CWE	108	3				
--	<b>Computation requirement</b>		<b>3</b>				
--	<b>Human Relations requirement</b>		<b>3</b>				
<b>Computer Application Specialist Program Electives</b>							
BA-101 Or BA-103 Or BA-120	Introduction to Business or Business Strategies for Computer Consultants or Project Management Fundamentals	33-44	3-4				
BT-177	Microsoft Project	33	3				
--	Any computer science course numbered CS-125 or higher		3-4				
<b>TOTAL CURRENT CREDITS:</b>			52-54	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Debra Carino	<b>Telephone No.</b>	3170
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer <i>or</i> PTE Dean Signature</b>		<b>Date</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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<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> Criminal Justice				<input type="checkbox"/> AAS	
<b>Option Title**</b> Corrections AAS.CORRECTIONS	43.0102			<input checked="" type="checkbox"/> <b>OPTION to AAS</b> (at least 70% of base AAS, 90-108 credits)	<b>91-92</b>
<b>Related Certificate:</b>				<input type="checkbox"/> Certificate of Completion	

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

LAST AMENDMENT APPROVED ON 11/5/21

### 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> _____
<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>CURRENT CURRICULUM 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Corrections Associate of Applied Science Degree: 1 <sup>st</sup> Year							
Fall Term							
CJA-110	Introduction to Law Enforcement	33	3				
CJA-122	Criminal Law	44	4				
<b>MTH-098</b>	<b>College Math Foundations</b>	<b>44</b>	<b>4</b>				
<b>WR-121</b>	<b>English Composition</b>	<b>44</b>	<b>4</b>	<b>WR-121Z</b>	<b>Composition I</b>	<b>44</b>	<b>4</b>
Winter Term							
CJA-101 Or CJA-201	Criminology or Juvenile Delinquency	44	4				
CJA-120	Introduction to Courts	33	3				
CJA-203	Crisis Intervention	33	3				
HS-156	Conducting Human Service Interviews	33	3				
LIB-101	Introduction to Library Research	11	1				
Spring Term							
CJA-130	Introduction to Corrections	33	3				
CJA-216	Implicit Bias and Policing	33	3				
HD-161	Multicultural Awareness	33	3				
PSY-219	Introduction to Abnormal Psychology	44	4				
Corrections Association of Applied Science Degree: 2 <sup>nd</sup> Year							
Fall Term							
CJA-223	Criminal Justice Ethics	33	3				
CJA-252	Introduction to Restorative Justice	33	3				
HDF-260	Understanding Child Abuse and Neglect	44	4				
HE-163	Body & Drugs I: Introduction to Abuse & Addiction	33	3				
--	Corrections program elective		3-4				
Winter Term							
CJA-134	Correctional Institutions	33	3				
CJA-170	Careers in Criminal Justice	33	3				
<b>HPE-296</b>	<b>Health and Fitness for Criminal Justice</b>	<b>60</b>	<b>3</b>				
HS-211	Infectious Diseases and Harm Reduction	11	1				
HS-216	Group Counseling Skills	33	3				
WR-122	English Composition	44	4	<b>WR-122Z</b>	<b>Composition II</b>	<b>44</b>	<b>4</b>
Spring Term							

CJA-215	Sexual Abuse and Human Trafficking	33	3				
CJA-232	Case Management	33	3				
<b>CJA-250</b>	<b>Reporting, Recording &amp; Testifying</b>	<b>44</b>	<b>4</b>				
CJA-270	Criminal Justice Capstone	33	3				
CJA-280 Or HD-102	Criminal Justice/Corrections/CWE Or Service Learning Experience	108	3				
<b>Corrections Program Electives</b>							
Any CJA course not already included in the Corrections Program, or any of the following:							
GRN-183	Death and Dying	33	3				
HST-131	History of Crime & Punishment in Western Civilization	44	4				
<b>TOTAL CURRENT CREDITS:</b>			91-92	<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>



## 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	<u>APPROVED</u> CIP Code (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)			<u>APPROVED</u> Recognition Award	<u>Current</u> 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>Criminal Justice</b> AAS.CRIMJUSTICE	<b>43.0107</b>			<input checked="" type="checkbox"/> <b>AAS</b> <b>(90-108 credits)</b>
<b>Related Option:</b> <b>Corrections</b>				<input type="checkbox"/> <b>OPTION to AAS</b> <b>Degree</b>	
<b>Related Certificates:</b>				<input type="checkbox"/> <b>Certificate of</b> <b>Completion</b>	

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

LAST AMENDMENT APPROVED ON 11/5/21

### 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>CURRENT CURRICULUM 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Criminal Justice Associate of Applied Science Degree: 1 <sup>st</sup> Year							
Fall Term							
CJA-110	Introduction to Law Enforcement	33	3				
CJA-122	Criminal Law	44	4				
<b>MTH-098</b>	<b>College Math Foundations</b>	<b>44</b>	<b>4</b>				
<b>WR-121</b>	<b>English Composition</b>	<b>44</b>	<b>4</b>	<b>WR-121Z</b>	<b>Composition I</b>	<b>44</b>	<b>4</b>
Winter Term							
CJA-101 Or CJA-201	Criminology or Juvenile Delinquency	44	4				
CJA-120	Introduction to Courts	33	3				
CJA-203	Crisis Intervention	33	3				
LIB-101	Introduction to Library Research	11	1				
WR-122	English Composition	44	4	<b>WR-122Z</b>	<b>Composition II</b>	<b>44</b>	<b>4</b>
Spring Term							
CJA-130	Introduction to Corrections	33	3				
CJA-216	Implicit Bias and Policing	33	3				
HD-161	Multicultural Awareness	33	3				
PSY-219	Introduction to Abnormal Psychology	44	4				
Criminal Justice Associate of Applied Science Degree: 2 <sup>nd</sup> Year							
Fall Term							
CJA-210	Criminal Investigation I	33	3				
CJA-214	Intimate Partner Violence	33	3				
CJA-223	Criminal Justice Ethics	33	3				
HDF-260	Understanding Child Abuse and Neglect	44	4				
--	Criminal Justice program electives		3-4				
Winter Term							
CJA-170	Careers in Criminal Justice	33	3				
CJA-211	Criminal Investigation II	33	3				
CJA-222	Procedural Law	33	3				
<b>HPE-296</b>	<b>Health and Fitness for Criminal Justice</b>	<b>60</b>	<b>3</b>				
--	Criminal Justice program electives		3-4				
Spring Term							
CJA-200	Community Policing	33	3				
CJA-212	Criminal Investigation III	33	3				
<b>CJA-250</b>	<b>Reporting, Recording &amp; Testifying</b>	<b>44</b>	<b>4</b>				
CJA-270	Criminal Justice Capstone	33	3				

CJA-280 Or HD-102	Criminal Justice/Corrections/CWE Or Service Learning Experience	108	3				
Criminal Justice Program Electives							
Any CJA course not included in the Criminal Justice Program, or any of the following:							
GRN-183	Death and Dying	33	3				
HST-131	History of Crime & Punishment in Western Civilization	44	4				
<b>TOTAL CURRENT CREDITS:</b>			90-92	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Sharron Furno	<b>Telephone No.</b>	3475
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer <i>or</i> PTE Dean Signature</b>		<b>Date</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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<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>				<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 type="checkbox"/> Yes** <input checked="" type="checkbox"/> No <b>Dental Assistant</b> CC.DENTALASST	<b>51.0601</b>			<input checked="" type="checkbox"/> CC1 (45-60 credits)	<b>53-54</b>

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

LAST AMENDMENT APPROVED ON 1/19/2018

### 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>		

++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 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Course Title	Hours	Credits	Course	Title	Hours	Credits
<b>First Term</b>							
DA-101	Dental Radiology I	22	2				
DA-101L	Dental Radiology I Lab	33	1				
DA-104	Clinical Procedures I	22	2				
DA-104L	Clinical Procedures I Lab	33	1				
DA-107	Dental Materials I	22	2				
DA-107L	Dental Materials I Lab	33	1				
DA-110	Clinical Practicum I	40	1				
DA-115	Dental Science	22	2				
DA-125	Dental Infection Control	22	2				
<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>WR-101 Or WR-121Z</b>	<b>Communication Skills: Occupational Writing or Composition I</b>	<b>33- 44</b>	<b>3-4</b>
<b>Second Term</b>							
DA-102	Dental Radiology II	22	2				
DA-102L	Dental Radiology II Lab	33	1				
DA-105	Clinical Procedures II	22	2				
DA-105L	Clinical Procedures II Lab	33	1				
DA-108	Dental Materials II	22	2				
DA-108L	Dental Materials II Lab	33	1				
DA-120	Clinical Practicum II	176	5				
<b>PSY-101</b>	<b>Human Relations</b>	<b>33</b>	<b>3</b>				
<b>Third Term</b>							
DA-106	Clinical Procedures III	22	2				
DA-106L	Clinical Procedures III Lab	33	1				
DA-130	Clinical Practicum III	262	8				
DA-135	Pharmacology/Medical Emergencies	22	2				
DA-145	Dental Office Procedures	22	2				
<b>MTH-050 Or MTH-065</b>	<b>Technical Mathematics I or Algebra II</b>	<b>44</b>	<b>4</b>				
<b>Catalog Notes</b>							
Dental lab schedules (am/pm) are based on lottery. Information will be provided at orientation.							
Current Healthcare Provider level CPR (AHA) and First Aid certification are required during practicums. All DA students will be required to complete a criminal history background, provide proof of immunization, and students will be asked to take a drug test as arranged by the department.							
Note: Students must achieve a C or higher grade in all required courses prior to advancing to the next term.							
Core curriculum is sequential and may not be taken out of order. Core curriculum is intended to be completed over three consecutive terms.							

<b>TOTAL CURRENT CREDITS:</b>	53-54	<b>TOTAL PROPOSED CREDITS:</b>	
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<b>College Contact</b>	health-sciences-questions@clackamas.edu	<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>	





## 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	<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>Early Childhood Education &amp; Family Studies</b> AAS.EARLYCHILDFAM	19.0708			<input checked="" type="checkbox"/> <b>AAS</b> (90-108 credits)
<b>Option Title**</b>				<input type="checkbox"/> <i>OPTION</i> to AAS Degree	
<b>Related Certificates:</b> Early Childhood Education & Family Studies Certificate				<input type="checkbox"/> <b>Certificate of Completion</b>	

LAST AMENDMENT APPROVED ON 10.15.21

### 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> <input type="text"/>	
<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 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Course Title	Hours	Credits
<b>Early Childhood Education &amp; Family Studies Associate of Applied Science Degree: 1<sup>st</sup> Year</b>							
<b>Fall Term</b>							
ECE-150	Introduction to Early Childhood Education & Family Studies	33	3				
ED-216	Foundations of Teaching & Education	44	4				
<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>				
<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>WR-101 Or WR-121Z</b>	<b>Communication Skills: Occupational Writing or Composition I</b>	<b>33-44</b>	<b>3-4</b>
<b>Winter Term</b>							
ECE-121	Observation and Guidance I in ECE Settings	44	4				
ECE-154	Language & Literacy Development	44	4				
ECE-235	Safety, Health and Nutrition	33	3				
HDF-225	Prenatal, Infant & Toddler Development	33	3				
<b>Spring Term</b>							
ECE-179	The Professional in Early Childhood Education and Family Studies	44	4				
ECE-240	Environments and Curriculum Planning	44	4				
ECE-280	Early Childhood Education/CWE	108	3				
<b>ED-258</b>	<b>Multicultural Education</b>	<b>33</b>	<b>3</b>				
HDF-247	Preschool Through Adolescent Child Development	33	3				
<b>Early Education &amp; Family Studies Associate of Applied Science Degree: 2<sup>nd</sup> Year</b>							
<b>Fall Term</b>							
ECE-221	Observation & Guidance II in ECE Settings	44	4				
ECE-241	Environments and Curriculum Planning: Infants and Toddlers	33	3				
HDF-260	Understanding Child Abuse and Neglect	44	4				

--	<b>PE/Health/Safety/ First Aid requirement</b>		<b>2-3</b>				
Winter Term							
ECE-291	Practicum II	120	4				
ED-169	Overview of Students with Special Needs	33	3				
ED-254	Instructional Strategies for Dual Language Learners	33	3				
--	Early Childhood Education program electives		5				
Spring Term							
ECE-239	Helping Children and Families Cope With Stress	33	3				
ECE-292	Practicum III	120	4				
ED-114	Instructional Strategies for Math	33	3				
ED-246	School, Family & Community Relations	44	4				
HDF-140	Contemporary American Families	33	3				
Early Childhood Education & Family Studies Program Electives							
BA-101	Introduction to Business	44	4				
COMM-100	Basic Speech Communication	33	3	COMM-100Z	Introduction to Communication	44	4
COMM-140	Introduction to Intercultural Communication	44	4				
ECE-139	Program Management in ECE	11	1				
ECE-142	Media, Technology and the Influences on Child Development	11	1				
ECE-143	Kindergarten Readiness	11	1				
ED-150	Creative Activities for Children	33	3				
ED-229	Learning & Development	33	3				
FYE-101	First Year Experience Level I	22	2				
HS-154	Community Resources	33	3				
HST-138	History of Love, Marriage and the Family in Western Civilization	44	4				
PSY-101	Human Relations	33	3				
PSY-205	Introduction to Psychology: Part 2	44	4				
PSY-215	Introduction to Developmental Psychology	44	4				
SOC-204	Introduction to Sociology	44	4				
SPN-101	First-Year Spanish I	44	4				
SPN-102	First-Year Spanish II	44	4				
WR-122	English Composition	44	4	WR-122Z	Composition II	44	4

WS-101	Introduction to Women's Studies	44	4				
<b>TOTAL CURRENT CREDITS:</b>			90-92	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Dawn Hendricks	<b>Telephone No.</b>	6158
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer <i>or</i> PTE Dean Signature</b>		<b>Date</b>	



## 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 (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)			<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> Early Childhood Education & Family Studies 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 Early Childhood Education & Family Studies CC.ECEFS	19.0701			<input checked="" type="checkbox"/> CC1R Related Certificate (45-60 credits)	45-46

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

LAST AMENDMENT APPROVED ON 06.04.21

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

## CURRICULUM AMENDMENT

<i>CURRENT CURRICULUM 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course Number	Course Title	Clock Hours	Credits	Course Number	Course Title	Clock Hours	Credits
<b>Fall Term</b>							
ECE-150	Introduction to Early Childhood Education & Family Studies	33	3				
ED-216	Foundations of Teaching & Education	44	4				
<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>				
<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>WR-101 Or WR-121Z</b>	<b>Communication Skills: Occupational Writing or Composition I</b>	<b>33-44</b>	<b>3-4</b>
<b>Winter Term</b>							
ECE-121	Observation and Guidance I in ECE Settings	44	4				
ECE-154	Language & Literacy Development	44	4				
ECE-235	Safety, Health and Nutrition	33	3				
HDF-225	Prenatal, Infant & Toddler Development	33	3				
<b>Spring Term</b>							
ECE-179	The Professional in Early Childhood Education and Family Studies	44	4				
ECE-240	Environments and Curriculum Planning	44	4				
ECE-280	Early Childhood Education/CWE	108	3				
<b>ED-258</b>	<b>Multicultural Education</b>	<b>33</b>	<b>3</b>				
HDF-247	Preschool Through Adolescent Child Development	33	3				
<b>TOTAL CURRENT CREDITS:</b>			45-46	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Dawn Hendricks	<b>Telephone No.</b>	6158
<b>E-Mail Address</b>	dawn.hendricks@clackamas.edu	<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>		<b>Date</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	<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>				<input type="checkbox"/> Associate of Applied Science (AAS) Degree
<b>Option Title**</b>				<input type="checkbox"/> OPTION to AAS Degree	
<b>EFA Business</b> EFA.BUSINESS				<input checked="" type="checkbox"/> EFA	<b>17-19</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		Proposed Total Credits: _____
Proposed AAS Title:		
Proposed OPTION Title:		
Proposed Certificate Title:		
<input type="checkbox"/> SUSPENSION 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.]

<i>CURRENT CURRICULUM 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
BA-101	Introduction to Business		4				
BA-104 Or Math based on advising placement	Business Math		3-5				
BA-131	Introduction to Business Computing		4				
FYE-101	First Year Experience Level I		2				
WR-121	English Composition		4	WR-121Z	Composition I	44	4
<b>TOTAL CURRENT CREDITS:</b>			17-19	<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>	





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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, Creative Arts, Communication &amp; Humanities</b> EFA.CARTSCOMMHUM				<input checked="" type="checkbox"/> EFA	<b>27</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.]

<i>CURRENT CURRICULUM 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
ART-115	Basic Design: 2-Dimensional Design		4				
EFA-101C	Introduction to the Creative Arts Communication and Humanities		2				
FYE-101	First Year Experience Level I		2				
MUS-105	Music Appreciation		3				
PHL-102	Ethics		4				
TA-101	Appreciation of Theatre		4				
WR-121	English Composition		4	WR-121Z	Composition I	44	4
--	World Language Course		4				
<b>TOTAL CURRENT CREDITS:</b>			27	<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>	



## 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 (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)			<u>APPROVED</u> Recognition Award	Current Credits
	6-digit CIP	7 <sup>th</sup> digit	8 <sup>th</sup> digit		
<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, Health Professions</b> EFA.HEALTH				<input checked="" type="checkbox"/> EFA	<b>15-16</b>

Last amendment approved on 4/1/22

### 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		Proposed Total Credits: _____
Proposed AAS Title:		
Proposed OPTION Title:		
Proposed Certificate Title:		
<input type="checkbox"/> SUSPENSION 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.]

<i>CURRENT CURRICULUM 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
BI-120	Introduction to Human Anatomy and Physiology		4				
FYE-101	First Year Experience Level I		2				
HE-202 Or MA-100	Introduction to Fitness Technology Careers or Introduction to Medical Assisting	11-22	1-2				
MA-110	Medical Terminology		4				
WR-121	English Composition		4	WR-121Z	Composition I	44	4
Notes							
All courses must be passed with a C or better							
<b>TOTAL CURRENT CREDITS:</b>			15-16	<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>	



## 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 (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)			<u>APPROVED</u> Recognition Award	Current Credits
	6-digit CIP	7 <sup>th</sup> digit	8 <sup>th</sup> digit		
<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>

Last changed on 1/29/21

### 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		Proposed Total Credits: _____
Proposed AAS Title:		
Proposed OPTION Title:		
Proposed Certificate Title:		
<input type="checkbox"/> SUSPENSION 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.]

<i>CURRENT CURRICULUM 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
ED-216	Foundations of Teaching & Education		4				
FYE-101	First Year Experience Level I		2				
HPE-295	Health & Fitness for Life		3				
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	WR-121Z	Composition I	44	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>



## 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  <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> Emergency Management Professional AAS AAS.EMP	43.0302	I	*	<input type="checkbox"/> AAS Degree (90-108 credits)	90-92
<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				<input type="checkbox"/> CC1R Related Certificate	

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

Last amendment approved on 3/4/22

### 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>	_____	

## 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 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Fall Term</b>							
EMP-201	Introduction to Homeland Security and Emergency Management	44	4				
EMP-202	Threat and Hazard Assessment for Emergency Management Professionals	33	3				
EMP-204	Foundations of Emergency Planning	44	4				
--	<b>Computation requirement</b>		4				
<b>Winter Term</b>							
<b>COMM-218</b>	<b>Interpersonal Communication</b>	<b>44</b>	<b>4</b>	<b>COMM-218Z</b>	<b>Interpersonal Communication</b>	<b>44</b>	<b>4</b>
EMP-206	Hazard Mitigation	33	3				
EMP-208	Disaster Response and Recovery	44	4				
EMP-222	Terrorism Awareness and Response	22	2				
EMP-224	Science of Disasters	22	2				
<b>Spring Term</b>							
EMP-210	Developing and Managing Volunteer Resources	44	4				
EMP-212	Public Health and Medical Emergency Management	33	3				
EMP-214	Technology in Emergency Management	44	4				
EMP-216	Emergency Management Laws and Ethics	22	2				
*--	Elective (100 level or above)		2-4				
<b>Year 2</b>							
<b>Fall Term</b>							
EMP-218	Public Information Officer and External Affairs	22	2				
GIS-101	Principles of Geospatial Technology	44	2				
<b>WR-227</b>	<b>Technical Report Writing</b>	<b>44</b>	<b>4</b>	<b>WR-227Z</b>	<b>Technical Writing</b>	<b>44</b>	<b>4</b>
--	Focus Area Courses		7				
<b>Winter Term</b>							
COMM-140	Introduction to Intercultural Communication	44	4				



EMP-220	Introduction to Emergency Management Public Administration and Policy	22	2				
--	Focus Area Courses		9				
Spring Term							
EMP-226	Business Continuity Fundamentals	44	4				
--	<b>PE/Health/Safety/First Aid requirement</b>		1				
--	Focus Area Courses		10				
Catalog Notes							
*Students who have not satisfied WR-121 or equivalent should take WR-121 in spring term.				*Students who have not satisfied WR-121Z or equivalent should take WR-121Z in spring term.			
Focus Areas							
Complete all courses from one of the following Focus Areas							
Wildland Fire							
FRP-130	Introduction to Wildland Firefighting (S-130/S-190/ICS-100/IS-700/L-180)	44	2				
FRP-131	Advanced Firefighter Training (S-131/S-133)	20	1				
FRP-200	Basic Incident Command System (I-100, I-200, IS-700, IS-800)	44	4				
FRP-211	Portable Pumps and Water Use (S-211)	33	2				
FRP-244	Wilderness II: Basic Land Navigation (S-244)	44	3				
FRP-246	Wilderness IV: Backcountry CPR/First Aid/AED	20	2				
FRP-249	Followership to Leadership (L-280)	20	2				
FRP-250	Wilderness VI: Basic Tool Use and Care	16	1				
FRP-270	Basic Air Operations (S-270)	12	1				
FRP-294	Intermediate Incident Command System (I-300)	21	2				
--	Any BA, CJA, EC, EMP, EMT, FRP, GIS, or HS course not included in the program	12	6				
Emergency Medical Technician							
BI-231	Human Anatomy & Physiology I	66	4				
EMT-101	Emergency Medical Technician Part I	99	6				
EMT-102	Emergency Medical Technician Part II	99	6				
EMT-105	Introduction to Emergency Medical Services	33	3				

EMT-109	Emergency Response Communication/Documentation	24	2				
MA-110	Medical Terminology	44	4				
--	Any BA, CJA, EC, EMP, EMT, FRP, GIS, or HS course not included in the program		1				
<b>Management</b>							
BA-120	Project Management Fundamentals	44	4				
BA-123	Leadership & Motivation	33	3				
BA-223	Principles of Marketing	44	4				
BA-224	Human Resource Management	44	4				
BA-251	Supervisory Management	33	3				
PSY-101	Human Relations	33	3				
--	Any BA, CJA, EC, EMP, EMT, FRP, GIS, or HS course not included in the program		5				
<b>Fire Service Administration</b>							
FRP-200	Basic Incident Command System (I-100, I-200, IS-700, IS-800)	44	4				
FST-202	Principles of Emergency Services	33	3				
FST-204	Fire Protection Systems	33	3				
FST-206	Fire Behavior and Combustion	33	3				
FST-212	Fire Prevention	33	3				
FST-214	Building Construction for Fire Protection	33	3				
FST-216	Principles of Fire and Emergency Services Safety and Survival	33	3				
--	Any BA, CJA, EC, EMP, EMT, FRP, GIS, or HS course not included in the program		4				
<b>Geographic Information Systems (GIS)</b>							
BA-120	Project Management Fundamentals	44	4				
GEO-100	Introduction to Physical Geography	44	4				
GIS-101	Principles of Geospatial Technology	44	2				
GIS-201	Introduction to Geographic Information Systems	66	3				
GIS-202	Intermediate Geographic Information Systems	66	3				
GIS-205	Cartography and Map Making	33	3				
GIS-232	Data Collection & Application	44	2				

GIS-238	GIS Web Mapping and Services	44	2				
--	Any BA, CJA, EC, EMP, EMT, FRP, GIS, or HS course not included in the program		3				
<b>Criminal Justice</b>							
CJA-101	Criminology	44	4				
CJA-110	Introduction to Law Enforcement	33	3				
CJA-122	Criminal Law	44	4				
PSY-219	Introduction to Abnormal Psychology	44	4				
SOC-204	Introduction to Sociology	44	4				
--	Any BA, CJA, EC, EMP, EMT, FRP, GIS, or HS course not included in the program		7				
<b>TOTAL CURRENT CREDITS:</b>			90-92	<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>	



## 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 checked="" 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 (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)			<i>APPROVED</i> Recognition Award	Current Credits
	6-digit CIP	7 <sup>th</sup> digit	8 <sup>th</sup> digit		
<b>AAS Title:</b>				<input type="checkbox"/> Associate of Applied Science (AAS) Degree	
<b>Related Program:</b> Emergency Medical Technician SCPC				<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 <b>Emergency Medical Technology</b> CC.EMT	<b>51.0904</b>	<b>J</b>		<input checked="" type="checkbox"/> <b>SSC1 Statewide Certificate (45-60 credits)</b>	<b>51</b>

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

LAST AMENDMENT APPROVED ON 06.03.2022

### 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> <input type="text"/>	
<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 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Fall Term							
BI-231	Human Anatomy & Physiology I	66	4				
EMT-105	Introduction to Emergency Medical Services	33	3				
MA-110	Medical Terminology	44	4				
<b>MTH-065</b>	<b>Algebra II</b>	<b>44</b>	<b>4</b>				
<b>WR-121</b>	<b>English Composition</b>	<b>44</b>	<b>4</b>	<b>WR-121Z</b>	<b>Composition I</b>	<b>44</b>	<b>4</b>
Winter Term							
BI-232	Human Anatomy & Physiology II	66	4				
CJA-203	Crisis Intervention	33	3				
COMM-111	Public Speaking	44	4	COMM-111Z	Public Speaking	44	4
EMT-101	Emergency Medical Technician Part I	108	6				
Spring Term							
BI-233	Human Anatomy & Physiology III	66	4				
EMT-102	Emergency Medical Technician Part II	108	6				
EMT-109	Emergency Response Communication/Documentation	24	2				
<b>PSY-101</b>	<b>Human Relations</b>	<b>33</b>	<b>3</b>				
Catalog Notes							
Required: Criminal history background check, proof of immunization, and drug test arranged by the department							
<b>TOTAL CURRENT CREDITS:</b>			51	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Tana Sawzak	<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>	



**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>	<b>Clackamas Community College</b>	<b>Date</b>	
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**CAREER LEARNING AREA**

<input type="checkbox"/> Ag, Food & Natural Resource Systems	<input checked="" 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>				<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 type="checkbox"/> Yes** <input checked="" type="checkbox"/> No <b>Fitness Technology</b> CC.FITNESSTECH	<b>31.0501</b>	<b>J</b>	<b>*</b>	<input checked="" type="checkbox"/> <b>CC1</b> (45-60 credits)	<b>45-47</b>

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

LAST AMENDMENT APPROVED ON 11/15/19

**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"/> <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.]

<b>CURRENT CURRICULUM 22-23</b>				<b>PROPOSED CURRICULUM 23-24</b>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Fall Term</b>							
<b>COMM-218</b>	<b>Interpersonal Communication</b>	<b>44</b>	<b>4</b>	<b>COMM-218Z</b>	<b>Interpersonal Communication</b>	<b>44</b>	<b>4</b>
HE-202	Introduction to Fitness Technology Careers	11	1				
PE-240	Strength & Conditioning Theory & Techniques	35	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>WR-101 Or WR-121Z</b>	<b>Communication Skills: Occupational Writing or Composition I</b>	<b>33-44</b>	<b>3-4</b>
--	Fitness Technology program electives		3				
<b>Winter Term</b>							
COMM-227	Nonverbal Communication	44	4				
HE-252	First Aid/CPR/AED	33	3				
HPE-295	Health & Fitness for Life	60	3				
--	Fitness Technology program electives		4				
<b>Spring Term</b>							
HE-201	Personal Training	33	3				
HE-223	Sports Nutrition	33	3				
<b>MTH-050 Or MTH-065 or higher</b>	<b>Technical Mathematics I Or Algebra II Or higher level math</b>	<b>44</b>	<b>4-5</b>	<b>MTH-050 Or MTH-065 or higher</b>	<b>Technical Mathematics I Or Algebra II Or higher level Math or Statistics</b>	<b>44</b>	<b>4-5</b>
PE-280	Physical Education/CWE	108	3				
--	Fitness Technology program elective		4				
<b>Fitness Technology Program Electives</b>							
BA-101	Introduction to Business	44	4				
BA-123	Leadership & Motivation	33	3				
ECE-235	Nutrition, Music & Movement in Early Childhood Education	33	3				
GRN-182	Aging and the Body	33	3				
HE-163	Body & Drugs I: Introduction to Abuse & Addiction	33	3				
HE-164	Body & Drugs II: Alcohol	33	3				
HE-204	Nutrition & Weight Control	33	3				
HE-207	Introduction to Plant Based Living	33	3				



## 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

<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
	6-digit CIP	7 <sup>th</sup> digit	8 <sup>th</sup> digit		
<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>45-46</b>

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

LAST AMENDMENT APPROVED 01.29.21

### 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 of Program</b>	<i>Reason for Suspension:</i> <input type="text"/>	



**Suspension Effective Date:** \_\_\_\_\_

**CURRICULUM AMENDMENT**

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

<i>CURRENT CURRICULUM 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Fall Term</b>							
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>	<b>WR-101 Or WR-121Z</b>	<b>Communication Skills: Occupational Writing or Composition I</b>	<b>33- 44</b>	<b>3-4</b>
--	Gerontology program elective		5				
<b>Winter Term</b>							
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>				
<b>Spring Term</b>							
GRN-179	Careers in Gerontology	11	1				
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		2				
<b>Gerontology Program Electives</b>							
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				
FYE-101	First Year Experience Level I	22	2				
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	60	5				
NUR-101C	Certified Nursing Assistant II Acute Care Clinical	30	0				
PSY-219	Introduction to Abnormal Psychology	44	4				
<b>Catalog Notes</b>							
Other electives may be approved by the Gerontology program advisor.							
<b>TOTAL CURRENT CREDITS:</b>			45-46	<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 <i>or</i> PTE Dean Signature</b>		<b>Date</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>	
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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>				<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 type="checkbox"/> Yes** <input checked="" type="checkbox"/> No <b>Healthcare Careers</b> CC.HLTHCAREERS	51.0802			<input checked="" type="checkbox"/> CC (12-30 credits)	13-14

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

Last amendment approved on 5/7/21 (formerly CC.BASICHEALTH)

### 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		
<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>CURRENT CURRICULUM 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
MA-110	Medical Terminology	44	4				
MA-135	Communications and Ethical Practices in Healthcare Settings	33	3				
PSY-101	Human Relations	33	3				
WR-101 Or WR-121	Communication Skills: Occupational Writing Or English Composition	33-44	3-4	WR-101 Or WR-121Z	Communication Skills: Occupational Writing or Composition I	33-44	3-4
<b>TOTAL CURRENT CREDITS:</b>			13-14	<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>	



## 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>				<input type="checkbox"/> Associate of Applied Science (AAS) Degree	
<b>Related Certificates:</b> Human Resource Management Essentials CP				<input type="checkbox"/> OPTION to AAS Degree	
<b>Certificate Title:</b> <u>Within</u> AAS Degree? <input type="checkbox"/> Yes** <input checked="" type="checkbox"/> No <b>Human Resource Management</b> CC.HUMANRESMNGT	<b>52.1005</b>			<input type="checkbox"/> CC1 (45-60 credits)	<b>46-48</b>

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

LAST AMENDMENT APPROVED ON

### 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>
<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>		

## CURRICULUM AMENDMENT

<i>CURRENT CURRICULUM 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Number	Title	Hours	Credits
Human Resource Management Certificate							
Fall Term							
BA-101	Introduction to Business	44	4				
<b>BA-104 Or MTH-065</b>	<b>Business Math or Algebra II</b>	<b>33- 44</b>	<b>3-4</b>				
BA-131	Introduction to Business Computing	44	4				
<b>WR-121</b>	<b>English Composition</b>	<b>44</b>	<b>4</b>	<b>WR-121Z</b>	<b>Composition I</b>	<b>44</b>	<b>4</b>
Winter Term							
BA-205	Business Communications with Technology	44	4				
BA-208	Employee and Labor Relations	44	4				
BA-224	Human Resource Management	44	4				
<b>BA-285</b>	<b>Human Relations in Business</b>	<b>44</b>	<b>4</b>				
Spring Term							
BA-226	Business Law I	44	4				
BA-229	Employment Law	44	4				
BA-254	Basic Compensation & Benefits	44	4				
--	Human Resource Management Program Electives		3-4				
Catalog Notes							
Courses in this program can be applied to satisfy requirements in the Business AAS degree.							
Human Resource Management Program Electives							
Any BA/BT course not already included in the Human Resource program							
<b>TOTAL CURRENT CREDITS:</b>			46-48	<b>TOTAL PROPOSED CREDITS:</b>			
<b>College Contact</b>	Michael Moiso			<b>Telephone No.</b>	3370		
<b>E-Mail Address</b>				<b>Fax No.</b>			
<b>Chief Academic Officer or PTE Dean Signature</b>					<b>Date</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>	
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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>Human Services Generalist</b> AAS.HUMANSERVGEN	44.0701			<input checked="" type="checkbox"/> <b>AAS</b> (90-108 credits)
<b>Option Title**</b>				<input type="checkbox"/> <b>OPTION to AAS Degree</b>	
<b>Related Certificates:</b> Alcohol & Drug Counselor CP Human Services Generalist Certificate				<input type="checkbox"/> <b>Certificate of Completion</b>	

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

LAST AMENDMENT APPROVED ON 01.29.21

### 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>CURRENT CURRICULUM 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
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>	<b>WR-101 or WR-121Z</b>	<b>Communication Skills: Occupational Writing or Composition I</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, FYE, GER, GRN, HD, HDF, HS, MA, MTH, PSY, SOC, SPN, WR, WS or any of the following Health courses:							
HE-164	Body & Drugs II: Alcohol	33	3				
HE-205	Youth Addictions	33	3				
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 <i>or</i> PTE Dean Signature</b>		<b>Date</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>	
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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> 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 01.29.21

### 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>CURRENT CURRICULUM 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Fall Term</b>							
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>	<b>WR-101 Or WR-121Z</b>	<b>Communication Skills: Occupational Writing or Composition I</b>	<b>33- 44</b>	<b>3-4</b>
--	Human Services Generalist program electives		6				
<b>Winter Term</b>							
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				
<b>Spring Term</b>							
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				
<b>Human Services Generalist Program Electives</b>							
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, FYE, GER, GRN, HD, HDF, HS, MA, MTH, PSY, SOC, SPN, WR, WS or any of the following Health courses:							
HE-164	Body & Drugs II: Alcohol	33	3				
HE-205	Youth Addictions	33	3				
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 <i>or</i> PTE Dean Signature</b>		<b>Date</b>	



## 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>Certificate Title:</b> <i>Within</i> AAS Degree? <input type="checkbox"/> Yes** <input checked="" type="checkbox"/> No <b>Juvenile Corrections</b> CC.CORRECTIONSJUV	<b>43.011</b>			<input checked="" type="checkbox"/> CC1 Certificate (45-60 credits)	<b>45</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"/> 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"/> <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 22-23</b></i>				<i><b>PROPOSED CURRICULUM 23-24</b></i>				
Course	Title	Hours	Credits	Course	Title	Hours	Credits	
<b>Fall Term</b>								
CJA-252	Introduction to Restorative Justice	33	3					
HE-163	Body & Drugs I: Introduction to Abuse & Addiction	33	3					
<b>MTH-098</b>	<b>College Math Foundations</b>	<b>44</b>	<b>4</b>					
<b>WR-121</b>	<b>English Composition</b>	<b>44</b>	<b>4</b>	<b>WR-121Z</b>	<b>Composition I</b>	<b>44</b>	<b>4</b>	
<b>Winter Term</b>								
CJA-201	Juvenile Delinquency	44	4					
CJA-203	Crisis Intervention	33	3					
<b>HS-156</b>	<b>Conducting Human Service Interviews</b>	<b>33</b>	<b>3</b>					
LIB-101	Introduction to Library Research	11	1					
PSY-215	Introduction to Developmental Psychology	44	4					
<b>Spring Term</b>								
CJA-130	Introduction to Corrections	33	3					
CJA-232	Case Management	33	3					
CJA-280	Criminal Justice/Corrections/CWE	108	3					
CWE-281	Cooperative Work Experience Seminar	16	0					
HD-161	Multicultural Awareness	33	3					
HDF-260	Understanding Child Abuse and Neglect	44	4					
<b>TOTAL CURRENT CREDITS:</b>			<b>45</b>	<b>TOTAL PROPOSED CREDITS:</b>				

<b>College Contact</b>	Ida Flippo	<b>Telephone No.</b>	3363
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>		<b>Date</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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<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>Parent Program:</b> Business Management 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> <i>Within</i> AAS Degree? <input checked="" type="checkbox"/> Yes** <input type="checkbox"/> No Management Fundamentals CC.MGMTFUND	52.0204			<input checked="" type="checkbox"/> Career Pathway (12-44)	18

\*\*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>		



## 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 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Management Fundamentals Career Pathway Certificate							
BA-217	Budgeting for Managers	33	3				
BA-224	Human Resource Management	44	4				
BA-251	Supervisory Management	33	3				
BA-285	Human Relations in Business	44	4				
WR-121	English Composition	44	4	WR-121Z	Composition I	44	4
Catalog notes							
All courses in this program can be applied to satisfy requirements in the Business Management certificate.							
<b>TOTAL CURRENT CREDITS:</b>			18	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Sharon Parker	<b>Telephone No.</b>	3075
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer <i>or</i> PTE Dean Signature</b>		<b>Date</b>	



## 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	<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>				<input type="checkbox"/> Associate of Applied Science (AAS) Degree
<b>Related Certificates:</b> Integrated Marketing & Promotion CP				<input type="checkbox"/> OPTION to AAS Degree	
<b>Certificate Title:</b> <u>Within</u> AAS Degree? <input type="checkbox"/> Yes** <input checked="" type="checkbox"/> No <b>Marketing</b> CC.MARKETING	<b>52.1401</b>			<input checked="" type="checkbox"/> CC1 (45-60 credits)	<b>47</b>

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

Last amendment approved on 01.21.22

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

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

## CURRICULUM AMENDMENT

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

<i>CURRENT CURRICULUM 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Marketing Certificate							
Fall Term							
BA-101	Introduction to Business	44	4				
<b>BA-104</b>	<b>Business Math</b>	<b>33</b>	<b>3</b>				
BA-131	Introduction to Business Computing	44	4				
<b>WR-121</b>	<b>English Composition</b>	<b>44</b>	<b>4</b>	<b>WR-121Z</b>	<b>Composition I</b>	<b>44</b>	<b>4</b>
Winter Term							
BA-223	Principles of Marketing	44	4				
BA-270	Social Media Marketing	44	4				
BA-239	Advertising	44	4				
<b>BA-285</b>	<b>Human Relations in Business</b>	<b>44</b>	<b>4</b>				
Spring Term							
BA-205	Business Communications with Technology	44	4				
BA-226	Business Law I	44	4				
BA-238	Sales	44	4				
BA-261	Consumer Behavior	44	4				
Catalog Notes							
Courses in this program can be applied to satisfy elective requirements in the Business AAS degree.							
<b>TOTAL CURRENT CREDITS:</b>			47	<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>	



## 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 checked="" 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>				<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 type="checkbox"/> Yes** <input checked="" type="checkbox"/> No <b>Medical Assistant</b> CC.MEDASST	<b>51.0801</b>			<input checked="" type="checkbox"/> CC1 (45-60 credits)	<b>45</b>

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

Last amendment approved on 02.04.22

### TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

<input type="checkbox"/> New Program++	<input checked="" 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>		

## 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 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Medical Assistant Certificate Prerequisite to Acceptance							
BI-120 Or BI-101 & BI-102 Or BI-231 & BI-232 & BI-233	Introduction to Human Anatomy and Physiology or General Biology; Cellular Biology and General Biology; Animal Systems or Human Anatomy & Physiology I and Human Anatomy & Physiology II and Human Anatomy & Physiology III	66	4				
MA-110	Medical Terminology	44	4				
<b>WR-121 (preferred) Or WR-101</b>	<b>English Composition or Communication Skills: Occupational Writing</b>	<b>33-44</b>	<b>3-4</b>	<b>WR-121Z (preferred) Or WR-101</b>	<b>Composition I or Communication Skills: Occupational Writing</b>	<b>33-44</b>	<b>3-4</b>
Fall Term							
MA-112	Medical Office Practices	44	4				
MA-116	Introduction to Medications	44	4				
MA-145	Insurance & Health Information Management	55	5				
<b>PSY-101</b>	<b>Human Relations</b>	<b>33</b>	<b>3</b>				
Winter Term							
MA-117	Clinical Lab Procedures I	11	1				
MA-117L	Clinical Lab Procedures I Lab	33	1				
MA-118	Examination Room Techniques	55	5				
MA-118L	Examination Room Techniques Lab	33	1				
<b>MTH-054</b>	<b>Medication Calculations for Medical Assistants</b>	<b>44</b>	<b>4</b>				
Spring Term (Weeks 1-5)							
MA-115	Phlebotomy for Medical Assistants	11	1				
MA-115L	Phlebotomy for Medical Assistants Lab	33	1				
MA-121	Clinical Lab Procedures II	11	1				

MA-121L	Clinical Lab Procedures II Lab	33	1				
PSY-215	Introduction to Developmental Psychology	44	4				
Spring Term (Weeks 6-11)							
MA-119	Medical Assistant Practicum	253	9				
Catalog Notes							
<p>To meet graduation requirements in addition to successful completion of courses, the MA student is required to:</p> <ul style="list-style-type: none"> <li>• Participate in an unpaid, supervised externship in an ambulatory care setting.</li> <li>• Perform 20 hours of public health-related community service.</li> <li>• Register for the CMA (AAMA) certification exam.</li> </ul> <p>All clinical/practicum courses are Pass/No Pass. All other courses must be passed with C or better.</p> <p>Core curriculum is sequential and may not be taken out of order.</p> <p>For the Certified Medical Assistant (CMA) exam, direct inquiries to: AAMA Certification Department at <a href="http://www.aama-ntl.org">www.aama-ntl.org</a> or by phone 800-228-2262.</p>							
<b>TOTAL CURRENT CREDITS:</b>			45	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Sarah Parker CMA(AAMA)	<b>Telephone No.</b>	971-344-7772
<b>E-Mail Address</b>	Sarahparker524@Gmail.com	<b>Fax No.</b>	
<b>Chief Academic Officer <i>or</i> PTE Dean Signature</b>		<b>Date</b>	



## 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>				<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 <b>Medical Billing and Coding</b> CC.MEDBILLCODE	51.0713	J		<input type="checkbox"/> CC0 Certificate (31-44 credits)	37

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

Program amendment approved on 12.03.21

### 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> <input type="text"/>	
<b>Suspension Effective Date:</b>	<input type="text"/>	

## 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 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Program Requisites							
BI-120 Or BI-231 & BI-232 & BI-233	Introduction to Human Anatomy and Physiology or Human Anatomy & Physiology I and Human Anatomy & Physiology II and Human Anatomy & Physiology III	66	4				
MA-110	Medical Terminology	44	4				
WR-121	English Composition	44	4	WR-121Z	Composition I	44	4
Winter Term							
MBC-115	Insurance Billing and Reimbursement I	44	4				
MBC-120	Introduction to Medical Coding	33	3				
MBC-135	Law and Ethics for Healthcare Professions	33	3				
MTH-060 or MTH-098	Algebra I Or College Math Foundations	44	4				
Spring Term							
BA-131	Introduction to Business Computing	44	4				
MBC-116	Insurance Billing and Reimbursement II	44	4				
MBC-125	ICD-10 Coding I	22	2				
MBC-126	CPT/HCPCS Coding I	44	4				
Summer Term							
COMM-218	Interpersonal Communication	44	4	COMM-218Z	Interpersonal Communication	44	4
MBC-225	ICD-10, CPT and HCPCS Coding II	55	5				
<b>TOTAL CURRENT CREDITS:</b>			37	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Cindy Garner	<b>Telephone No.</b>	0672
<b>E-Mail Address</b>	<a href="mailto:Cindy.garner@clackamas.edu">Cindy.garner@clackamas.edu</a>	<b>Fax No.</b>	n/a
<b>Chief Academic Officer or PTE Dean Signature</b>		<b>Date</b>	





## 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> <b>Nursing (RN)</b> AAS.NURING, NA.PRENURSE	<b>51.3801</b>			<input checked="" type="checkbox"/> <b>Statewide AAS (90-108 credits)</b>	<b>90-93</b>
<b>Option Title**</b>				<input type="checkbox"/> <i>OPTION to AAS Degree</i>	
<b>Certificate Title:</b> <u>Within</u> AAS Degree? <input type="checkbox"/> Yes** <input type="checkbox"/> No				<input type="checkbox"/> <b>Certificate of Completion</b>	

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

Last amendment approved on 10.21.22

### 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> _____
<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>CURRENT CURRICULUM 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course Number	Course Title	Clock Hours	Credits	Course Number	Course Title	Clock Hours	Credits
<b>First Term</b>							
BI-112* Or Biology with genetics	General Biology for Health Sciences Biology with Genetics	66-77	4-5				
NRS-110	Foundations of Nursing - Health Promotion	55	5				
NRS-110C	Foundations of Nursing - Health Promotion Clinical	120	4				
NRS-230	Clinical Pharmacology I	33	3				
<b>PE-185**</b>	<b>Physical Education</b>	<b>33</b>	<b>1</b>				
<b>Second Term</b>							
NRS-111	Foundations of Nursing in Chronic Illness I	33	3				
NRS-111C	Foundations of Nursing in Chronic Illness I Clinical	90	3				
NRS-231	Clinical Pharmacology II	33	3				
NRS-232	Pathophysiological Processes I	33	3				
<b>Third Term</b>							
NRS-112	Foundations of Nursing in Acute Care I	22	2				
NRS-112C	Foundations of Nursing in Acute Care I Clinical	120	4				
NRS-233	Pathophysiological Processes II	33	3				
--	Arts & Letters, Social Science or Natural Science electives, if needed		3				
<b>Summer Term Option</b>							
BI-112* Or Biology with Genetics	General Biology for Health Sciences or Biology with Genetics	66	4-5				
<b>Fourth Term</b>							
NRS-222	Nursing in Acute Care II & End of Life	44	4				
NRS-222C	Nursing in Acute Care II & End of Life Clinical	150	5				
--	Arts & Letters, Social Science or Natural Science electives, if needed		6				
<b>Fifth Term</b>							
NRS-221	Chronic Illness II and End of Life	44	4				

NRS-221C	Chronic Illness II and End of Life Clinical	150	5				
--	Arts & Letters, Social Science or Natural Science electives, if needed		6				
<b>Sixth Term</b>							
NRS-224	Integrative Practicum	22	2				
NRS-224C	Integrative Practicum Clinical	210	7				
WR-222*** Or WR-227	English Composition or Technical Report Writing	44	4				
--	Arts & Letters, Social Science or Natural Science electives, if needed		4				
<b>Catalog Notes</b>							
*BI-112 meets the Biology with genetics requirement and must be completed prior to start of second year of nursing program.							
**Current Basic Life Support (AHA) is required throughout the nursing program and meets PE requirement.							
***Required only if 8 credit writing requirement not previously met.							
<ul style="list-style-type: none"> <li>Students must achieve C or higher grades in all required courses (including prerequisites/preparatory courses) prior to advancing to the next term.</li> <li>Core curriculum is sequential and may not be taken out of order. Core nursing curriculum is intended to be completed in two academic years for an AAS degree.</li> </ul>							
<b>Approved Courses to Meet Prerequisite/Elective Credit Requirements for the Nursing Program</b>							
NOTE: All electives must be taken at the 100 level or higher unless otherwise noted.							
<b>Humanities (Arts &amp; Letters)</b>							
Courses used in this area must be at least three credits. Select courses with a prefix of: ASL, FR, GER, SPN (other world languages are accepted; languages must be 200 level) ART, DMC, ENG, HUM, J, MUP, MUS, PHL, R, TA COMM (courses numbered COMM-126 and above) WR (except WR-101, 121, 122, or 227)				Courses used in this area must be at least three credits. Select courses with a prefix of: ASL, FR, GER, SPN (other world languages are accepted; languages must be 200 level) ART, DMC, ENG, HUM, J, MUP, MUS, PHL, R, TA COMM (courses numbered COMM-126 and above) WR (except WR-101, 121Z, 122Z, or 227Z)			
<b>Social Science</b>							
Courses used in this area must be at least three credits. Select courses with a prefix of: ANT, EC, GEO, HST, PS, PSY, SOC, SSC, WS							
<b>Natural Sciences (Science/Math/Computer Science)</b>							
Courses used in this area must be at least six credits. Select courses with a prefix of: ASC, BI (except BI-160, BI-163, BI-165C), CH (except CH-150), CS, ESR, G, GS, MTH (MTH-095 accepted), PH, Z							
<b>TOTAL CURRENT CREDITS:</b>			90-93	<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 PTE Dean Signature</b>					<b>Date</b>		

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-121Z and either 122Z, or 227Z
	Oral Communication - 1 course	COMM-111Z
	Mathematics - 1 course	MTH-105Z, 111Z, 112Z, 211, 212, 213, 251
	Arts & Letters - 3 courses	ART-101, 115, 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, 218Z, 219, 227 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, 270, 271, 272, 273, 295, 296 FR-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-240, 241, 242, 243, 244, 245, 247, 248, 262, 263, 265, 270 WS-101
	Social Science - 3 courses	ANT-101, 102, 103, 232 CIA-101, 201 EC-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, 148, 201, 202, 203 GS-104, 105, 106, 107 MTH-105Z, 111Z, 112Z, 211, 212, 213, 243, 244, 251, 252, 253, 254, 256, 261 PH-121, 122, 123, 201, 202, 203, 211, 212, 213 STAT-243Z 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 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>	<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> )	6-digit CIP	7 <sup>th</sup> digit	8 <sup>th</sup> digit		
	<b>AAS Title:</b> <b>Project Management</b> AAS.PROJECTMNGT	<b>52.0205</b>			<input checked="" type="checkbox"/> <b>AAS</b> <b>(90-108 credits)</b>
<b>Option Title**</b>				<input type="checkbox"/> <b>OPTION to AAS Degree</b>	
<b>Related Certificates:</b> Project Management Certificate Project Management Leadership & Communication CP Project Management Tools & Techniques CP				<input type="checkbox"/> <b>Certificate of Completion</b>	

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>
<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:**

## 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 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Project Management Associate of Applied Science Degree: 1 <sup>st</sup> Year							
Fall Term							
BA-101	Introduction to Business	44	4				
BA-131	Introduction to Business Computing	44	4				
<b>MTH-065 Or BA-104</b>	<b>Algebra II or Business Math</b>	<b>33-44</b>	<b>3-4</b>				
<b>WR-121</b>	<b>English Composition</b>	<b>44</b>	<b>4</b>	<b>WR-121Z</b>	<b>Composition I</b>	<b>44</b>	<b>4</b>
Winter Term							
BA-120	Project Management Fundamentals	44	4				
BA-226	Business Law I	44	4				
BT-177	Microsoft Project	33	3				
COMM-111	Public Speaking	44	4	<b>COMM-111Z</b>	<b>Public Speaking</b>	<b>44</b>	<b>4</b>
Spring Term							
BA-111 Or BA-211	General Accounting I or Financial Accounting	33-44	3-4				
BA-122	Teamwork	33	3				
BA-124	Negotiation	33	3				
BA-217	Budgeting for Managers	33	3				
--	Project Management Program Electives	33	3				
Project Management Associate of Applied Science Degree: 2 <sup>nd</sup> Year							
Fall Term							
BA-125	Advanced Project Management Tools	55	5				
BA-205	Business Communications with Technology	44	4				
BA-223	Principles of Marketing	44	4				
<b>BA-285</b>	<b>Human Relations in Business</b>	<b>44</b>	<b>4</b>				
Winter Term							
BA-123	Leadership & Motivation	33	3				
BA-126	Project Management: Workshop	33	3				
BA-206	Management Fundamentals	44	4				
CS-135S	Microsoft Excel	33	3				
--	<b>PE/Health/Safety/ First Aid requirement</b>		<b>1</b>				
Spring Term							
BA-268	Applied Project Demonstration	33	3				
WR-227	Technical Report Writing	44	4	<b>WR-227Z</b>	<b>Technical Writing</b>	<b>44</b>	<b>4</b>

--	Project Management program elective		7				
<b>Project Management Program Electives</b>							
Any Business Administration (BA) or Business Technology (BT) course not included in the Project Management program.							
<b>TOTAL CURRENT CREDITS:</b>			90-92	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Frank Corona	<b>Telephone No.</b>	6498
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer <i>or</i> PTE Dean Signature</b>		<b>Date</b>	





## 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
	6-digit CIP	7 <sup>th</sup> digit	8 <sup>th</sup> digit		
<b>AAS Title:</b> Project Management 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 Project Management Leadership & Communication – Career Pathway CC.PMLEADERCOM	52.0205			<input checked="" type="checkbox"/> Career Pathway (12-44)	21

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

Last amendment approved on 02/15/19

### TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

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

## 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 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Fall Term</b>							
BA-205	Business Communications with Technology	44	4				
COMM-111	Public Speaking	44	4	COMM-111Z	Public Speaking	44	4
<b>Winter Term</b>							
BA-123	Leadership & Motivation	33	3				
BA-285	Human Relations in Business	44	4				
<b>Spring Term</b>							
BA-122	Teamwork	33	3				
BA-124	Negotiation	33	3				
<b>TOTAL CURRENT CREDITS:</b>			21	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Frank Corona	<b>Telephone No.</b>	6498
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>		<b>Date</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>	
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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>Renewable Energy Technology</b> AAS.RNEWNRGYTECH	15.0303	I	B	<input checked="" type="checkbox"/> <b>AAS</b> (90-108 credits)
<b>Option Title**</b>				<input type="checkbox"/> <i>OPTION</i> to AAS Degree	
<b>Related Certificates:</b> Energy Systems Maintenance Technician CP Renewable Energy Technology Certificate				<input type="checkbox"/> <b>Certificate of Completion</b>	

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

LAST AMENDMENT APPROVED ON 05.20.22

### 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</b> of Program	<i>Reason for Suspension:</i> <input type="text"/>	
<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 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Renewable Energy Technology Associate of Applied Science Degree: 1 <sup>st</sup> Year							
Fall Term							
EET-139	Principles of Troubleshooting I	33	2				
IMT-104	Reading Schematics and Symbols	22	2				
MFG-130	Basic Electricity I	33	3				
<b>MTH-050</b>	<b>Technical Mathematics I</b>	<b>44</b>	<b>4</b>				
RET-200	Renewable Energy Systems	22	2				
--	<b>Human Relations requirement</b>		<b>3</b>				
Winter Term							
IMT-120	Industrial Machinery I	66	3				
MFG-109	Computer Literacy for Technicians	33	3				
MFG-131	Basic Electricity II	33	3				
MFG-221	Materials Science	66	3				
MTH-080	Technical Mathematics II	33	3				
RET-209	Renewable Energy I: Energy Efficiency	66	3				
Spring Term							
IMT-220	Industrial Machinery II	66	3				
<b>MFG-107</b>	<b>Industrial Safety &amp; First Aid</b>	<b>33</b>	<b>3</b>				
MFG-132	Basic Electricity III	33	3				
RET-211	Renewable Energy II: System Fundamentals	66	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>WR-101 Or WR-121Z</b>	<b>Communication Skills: Occupational Writing Or Composition I</b>	<b>33-44</b>	<b>3-4</b>
Renewable Energy Technology Associate of Applied Science Degree: 2 <sup>nd</sup> Year							
Fall Term							
IMT-230 Or MFG-103 Or WLD-150	Introduction to Heating, Ventilation, and Air Conditioning or Machining for Fabrication & Maintenance or Welding Processes	66-88	3-4				
EET-215	Technical Mechanics	66	3				
IMT-108	Rigging and Lifting	44	2				

RET-213	Renewable Energy III: Installation & Maintenance	66	3				
RET-240	Alternative Fuels	88	4				
Winter Term							
EET-225	Mechatronics I	44	2				
EET-233	Programmable Logic Controllers I	33	3				
MFG-140	Principles of Fluid Power	66	3				
MFG-209	Programming & Automation for Manufacturing	33	3				
RET-215	Renewable Energy IV: Systems Design	66	3				
--	CDT Elective		3				
Spring Term							
EET-234	Programmable Logic Controllers II	33	3				
EET-235	Mechatronics II	44	2				
HD-209 Or RET-280	Job Search Skills Or Renewable Energy/CWE	33- 144	3-4				
IMT-223	Instrumentation & Controls	66	3				
RET-217	Renewable Energy Capstone Project	66	3				
RET-220	SCADA Fundamentals	66	3				
CDT Electives							
Any course with a CDT prefix not included in the Renewable Energy Technology Program.							
<b>TOTAL CURRENT CREDITS:</b>			98-101	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Industrial Technology Department	<b>Telephone No.</b>	3318
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer <i>or</i> PTE Dean Signature</b>		<b>Date</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> Renewable Energy 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 Renewable Energy Technology CC.RNEWNRGYTECH	15.0303	J	B	<input checked="" type="checkbox"/> CC1R Related Certificate (45-60 credits)	49-50

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

LAST AMENDMENT APPROVED ON 05.20.22

### 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.]

<i>CURRENT CURRICULUM 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Fall Term</b>							
EET-139	Principles of Troubleshooting I	33	2				
IMT-104	Reading Schematics and Symbols	22	2				
MFG-130	Basic Electricity I	33	3				
<b>MTH-050</b>	<b>Technical Mathematics I</b>	<b>44</b>	<b>4</b>				
RET-200	Renewable Energy Systems	22	2				
--	<b>Human Relations requirement</b>		<b>3</b>				
<b>Winter Term</b>							
IMT-120	Industrial Machinery I	66	3				
MFG-109	Computer Literacy for Technicians	33	3				
MFG-131	Basic Electricity II	33	3				
MFG-221	Materials Science	66	3				
MTH-080	Technical Mathematics II	33	3				
RET-209	Renewable Energy I: Energy Efficiency	66	3				
<b>Spring Term</b>							
IMT-220	Industrial Machinery II	66	3				
MFG-107	Industrial Safety & First Aid	33	3				
MFG-132	Basic Electricity III	33	3				
RET-211	Renewable Energy II: System Fundamentals	66	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>WR-101 Or WR-121Z</b>	<b>Communication Skills: Occupational Writing or Composition I</b>	<b>33- 44</b>	<b>3-4</b>
<b>TOTAL CURRENT CREDITS:</b>			49-50	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Industrial Technology Department	<b>Telephone No.</b>	3318
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>		<b>Date</b>	



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<b>College:</b>	Clackamas Community College	<b>Date</b>	
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### CAREER LEARNING AREA

<input checked="" 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

<i>APPROVED</i> Program Title	<i>APPROVED</i> CIP Code (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)			<i>APPROVED</i> 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>Water &amp; Environmental Technology</b> AAS.WATERENVIRONTECH	15.0506	I	*	<input checked="" type="checkbox"/> <b>AAS</b> <b>(90-108 credits)</b>
<b>Option Title**</b>				<input type="checkbox"/> <b>OPTION to AAS Degree</b>	
<b>Related Certificates:</b> High Purity Water Certificate Water & Environmental Technology Certificate				<input type="checkbox"/> <b>Certificate of Completion</b>	

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

LAST AMENDMENT APPROVED ON 10/7/2016

### 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> _____
<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>CURRENT CURRICULUM 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Water & Environmental Technology Associate of Applied Science Degree: 1 <sup>st</sup> Year							
Fall Term							
<b>MTH-082A</b>	<b>Wastewater Math I</b>	<b>11</b>	<b>1</b>				
<b>MTH-082B</b>	<b>Waterworks Math I</b>	<b>11</b>	<b>1</b>				
WET-110	Wastewater Operations I	33	3				
WET-111	Waterworks Operations I	33	3				
WET-112	Computer Applications for Water and Wastewater Operations	55	4				
<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>WR-101 Or WR-121Z</b>	<b>Communication Skills: Occupational Writing or Composition I</b>	<b>33- 44</b>	<b>3-4</b>
--	<b>Human Relations requirement (Recommended: PSY- 101)</b>		<b>3</b>				
Winter Term							
BI-204	Elementary Microbiology	66	4				
<b>MTH-082C</b>	<b>Wastewater Math II</b>	<b>11</b>	<b>1</b>				
<b>MTH-082D</b>	<b>Waterworks Math II</b>	<b>11</b>	<b>1</b>				
WET-120	Wastewater Operations II	33	3				
WET-121	Waterworks Operations II	33	3				
WET-122	Water Distribution and Wastewater Collection Systems	33	3				
WET-123	Environmental Chemistry I	55	3				
Spring Term							
WET-109	Backflow Assembly Operation and Testing	66	4				
WET-130	Wastewater Operations III	66	4				
WET-131	Water Treatment	66	4				
WET-132	Collection & Distribution Lab	33	1				
WET-134	Environmental Chemistry II	55	3				
WET-180	Water & Environmental Projects I	180	5				
Water & Environmental Technology Associate of Applied Science Degree: 2 <sup>nd</sup> Year							
Fall Term							
GIS-201	Introduction to Geographic Information Systems	66	3				
WET-125	High Purity Water Production I	33	3				
WET-241	Aquatic Microbiology	66	4				
WET-242	Hydraulics for Water & Wastewater	33	3				

WET-245	Instrumentation & Control	66	4				
WET-280	Water & Environmental Projects II	180	5				
Winter Term							
<b>HE-252*</b>	<b>First Aid/CPR/AED (*Course may be waived with current CPR card)</b>	<b>33</b>	<b>3</b>				
<b>MTH-082E</b>	<b>Math for High Purity Water</b>	<b>11</b>	<b>1</b>				
WET-108	Cross-Connection Control Program Specialist	36	3				
WET-135	High Purity Water Production II	66	4				
<b>TOTAL CURRENT CREDITS:</b>			90-91	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Matt LaForce	<b>Telephone No.</b>	3148
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer <i>or</i> PTE Dean Signature</b>		<b>Date</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>	
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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  <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> Water & Environmental Technology <b>AAS</b>				<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 Water & Environmental Technology CC.WATERENVIRONTECH	15.0506	J	*	<input checked="" type="checkbox"/> CC1R Related Certificate (45-60 credits)	57-58

\*\*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>
<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>CURRENT CURRICULUM 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Fall Term							
<b>MTH-082A</b>	<b>Wastewater Math I</b>	<b>11</b>	<b>1</b>				
<b>MTH-082B</b>	<b>Waterworks Math I</b>	<b>11</b>	<b>1</b>				
WET-110	Wastewater Operations I	33	3				
WET-111	Waterworks Operations I	33	3				
WET-112	Computer Applications for Water and Wastewater Operations	55	4				
<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>WR-101 Or WR-121Z</b>	<b>Communication Skills: Occupational Writing or Composition I</b>	<b>33- 44</b>	<b>3-4</b>
--	<b>Human Relations requirement (Recommended: PSY- 101)</b>		<b>3</b>				
Winter Term							
BI-204	Elementary Microbiology	66	4				
<b>MTH-082C</b>	<b>Wastewater Math II</b>	<b>11</b>	<b>1</b>				
<b>MTH-082D</b>	<b>Waterworks Math II</b>	<b>11</b>	<b>1</b>				
WET-120	Wastewater Operations II	33	3				
WET-121	Waterworks Operations II	33	3				
WET-122	Water Distribution and Wastewater Collection Systems	33	3				
WET-123	Environmental Chemistry I	55	3				
Spring Term							
WET-109	Backflow Assembly Operation and Testing	66	4				
WET-130	Wastewater Operations III	33	4				
WET-131	Water Treatment	33	4				
WET-132	Collection & Distribution Lab	33	1				
WET-134	Environmental Chemistry II	55	3				
WET-180	Water & Environmental Projects I	180	5				
<b>TOTAL CURRENT CREDITS:</b>			<b>57-58</b>	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Matt LaForce	<b>Telephone No.</b>	3148
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>		<b>Date</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>	
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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>Web Design &amp; Development</b> AAS.WEBDESIGNDEV	<b>11.1004</b>			<input checked="" type="checkbox"/> <b>AAS</b> <b>(90-108 credits)</b>
<b>Option Title**</b>				<input type="checkbox"/> <b>OPTION to AAS Degree</b>	
<b>Related Certificates:</b> <b>Web Design Certificate</b>				<input type="checkbox"/> <b>Certificate of Completion</b>	

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

Last amendment approved on 01.21.22

### 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>
<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>		

## 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 22-23</b>				<b>PROPOSED CURRICULUM 23-24</b>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Web Design & Development Associate of Applied Science Degree: 1 <sup>st</sup> Year							
Fall Term							
ART-225	Computer Graphics I	66	3				
CS-125H	HTML & Web Site Design	33	3				
CS-140	Introduction to Operating Systems	44	4				
--	Web Design & Development program elective		4				
Winter Term							
CS-133S	Introduction to JavaScript & Server-Side Scripting	33	3				
CS-151 Or CS-275	Networking I Or Database Design	33-66	3-4				
CS-181	CMS Web Development	33	3				
--	Web Design & Development program elective		3				
Spring Term							
ART-226	Computer Graphics II	66	3				
CS-135I	Advanced Web Design with Dreamweaver	33	3				
CS-234J	jQuery Web Development	33	3				
CS-234P	PHP/MySQL Web Development	33	3				
Summer Term							
CS-280	Computer Science/CWE	108	3				
<b>MTH-065 Or higher</b>	<b>Algebra II or higher level math</b>	<b>44</b>	<b>4-5</b>	<b>MTH-065 Or higher</b>	<b>Algebra II or higher level Math or Statistics</b>	<b>44</b>	<b>4-5</b>
<b>WR-121</b>	<b>English Composition</b>	<b>44</b>	<b>4</b>	<b>WR-121Z</b>	<b>Composition I</b>	<b>44</b>	<b>4</b>
--	<b>Human Relations requirement</b>		<b>3-4</b>				
Web Design & Development Associate of Applied Science Degree: 2 <sup>nd</sup> Year							
Fall Term							
CS-135DB	Microsoft Access	33	3				
CS-240L	Linux Administration I	44	4				
CS-280	Computer Science/CWE	108	3				
WR-122	English Composition	44	4	<b>WR-122Z</b>	<b>Composition II</b>	<b>44</b>	<b>4</b>
Winter Term							
CS-151 Or CS-275	Networking I Or Database Design	33-66	3-4				



## 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 (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)			<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> Web Design & Development 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> <u>Within</u> AAS Degree? <input checked="" type="checkbox"/> Yes** <input type="checkbox"/> No Web Design CC.WEBDESIGN2	11.0801			<input checked="" type="checkbox"/> CC1R Related Certificate (45-60 credits)	52-56

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

Last amendment approved on 01.21.22

### 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>		<b>Proposed Total Credits:</b>
<b>Proposed AAS Title:</b>		
<b>Proposed OPTION Title:</b>		
<b>Proposed Certificate Title:</b>		
<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.]

<b>CURRENT CURRICULUM 22-23</b>				<b>PROPOSED CURRICULUM 23-24</b>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>Fall Term</b>							
ART-225	Computer Graphics I	66	3				
CS-125H	HTML & Web Site Design	33	3				
CS-140	Introduction to Operating Systems	44	4				
--	Web Design program elective		4				
<b>Winter Term</b>							
CS-133S	Introduction to JavaScript & Server-Side Scripting	33	3				
CS-151 Or CS-275	Networking I or Database Design	33-66	3-4				
CS-181	CMS Web Development	33	3				
--	Web Design program elective		3				
<b>Spring Term</b>							
ART-226 Or CS-240L	Computer Graphics II or Linux Administration I	44-66	3-4				
CS-135I	Advanced Web Design with Dreamweaver	33	3				
CS-234J	jQuery Web Development	33	3				
CS-234P	PHP/MySQL Web Development	33	3				
<b>Summer Term</b>							
CS-280	Computer Science/CWE	108	3				
<b>MTH-065 Or higher</b>	<b>Algebra II or higher level math</b>	<b>44</b>	<b>4-5</b>	<b>MTH-065 Or higher</b>	<b>Algebra II or higher level Math or Statistics</b>	<b>44</b>	<b>4-5</b>
<b>WR-121</b>	<b>English Composition</b>	<b>44</b>	<b>4</b>	<b>WR-121Z</b>	<b>Composition I</b>	<b>44</b>	<b>4</b>
--	<b>Human Relations requirement</b>		<b>3-4</b>				
<b>Web Design Program Electives</b>							
Any ART, BA, CS, or DMC course not included in the Web Design CC program.							
<b>TOTAL CURRENT CREDITS:</b>			52-56	<b>TOTAL PROPOSED CREDITS:</b>			

<b>College Contact</b>	Debra Carino	<b>Telephone No.</b>	3170
<b>E-Mail Address</b>		<b>Fax No.</b>	
<b>Chief Academic Officer or PTE Dean Signature</b>		<b>Date</b>	





## 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	<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>Wildland Fire Management</b> AAS.WLDLNDMGMT				<input checked="" type="checkbox"/> <b>AAS</b> <b>(90-108 credits)</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				<input type="checkbox"/> <b>Certificate of Completion</b>	

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

Last amendment approved on 2/7/20

### 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>
<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 22-23</b></i>				<i><b>PROPOSED CURRICULUM 23-24</b></i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
1 <sup>st</sup> Year							
Fall Term							
FRP-101	Basic Forest Management	33	3				
FRP-102	Basic Forest Management Lab	33	1				
FRP-130	Introduction to Wildland Firefighting (S-130/S-190/ICS-100/IS-700/L-180)	44	2				
FRP-243	Wilderness I: Psychology of Survival	33	3				
GIS-101	Principles of Geospatial Technology	44	2				
<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>WR-101 Or WR-121Z</b>	<b>Communication Skills: Occupational Writing or Composition I</b>	<b>33-44</b>	<b>3-4</b>
--	Program Electives		1				
Winter Term							
FRP-211	Portable Pumps and Water Use (S-211)	20	2				
FRP-244	Wilderness II: Basic Land Navigation (S-244)	33	3				
FRP-245	Wilderness III: Weather of the Northwest	22	2				
<b>FRP-246</b>	<b>Wilderness IV: Backcountry CPR/First Aid/AED</b>	<b>44</b>	<b>2</b>				
<b>MTH-050 Or MTH-065</b>	<b>Technical Mathematics I Or Algebra II</b>	<b>44</b>	<b>4</b>				
--	Program Electives		2-3				
Spring Term							
BI-103	General Biology; Plants & the Ecosystem	66	4				
BI-103L	General Biology; Plants & The Ecosystem Lab	33	0				
FRP-110	Basic Wildland Fire Investigation (FI-110)	10	1				
FRP-131	Advanced Firefighter Training (S-131/S-133)	12	1				
FRP-205	Forest Management Assessments and Inventories	33	3				
FRP-249	Followership to Leadership (L-280)	20	2				

FRP-250	Wilderness VI: Basic Tool Use and Care	20	1				
FRP-270	Basic Air Operations (S-270)	16	1				
--	<b>Related Instruction: Human Relations</b>		<b>3-4</b>				
<b>2<sup>nd</sup> Year</b>							
<b>Fall Term</b>							
FRP-200	Basic Incident Command System (I-100, I-200, IS-700, IS-800)	44	4				
FRP-275	Wildland Fire Management 1	40	4				
GIS-201	Introduction to Geographic Information Systems	66	3				
--	Program Electives		4				
<b>Winter Term</b>							
FRP-215	Fire Operations in the Urban Interface (S-215)	24	2				
FRP-220	Initial Attack Incident Commander (S-200)	16	1				
FRP-265	Wildland Fire Prevention Education 1 (P-101)	33	3				
FRP-290	Intermediate Wildland Fire Behavior (S-290)	32	3				
--	GIS Electives		3				
--	Program Electives		3				
<b>Spring Term</b>							
FRP-212	Wildfire Power Saws (S-212)	40	2				
FRP-230	Crew Boss (Single Resource) (S-230)	24	2				
FRP-231	Engine Boss (Single Resource) (S-231)	12	1				
--	GIS Electives		2-3				
--	Program Electives		7				
<b>Program Electives</b>							
Any EMT, FRP, GEO, GIS, or UAS course not included in the Wildland Fire Management Program.							
<b>TOTAL CURRENT CREDITS:</b>			90-94	<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>	



## 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 checked="" 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"/> AAS	
<b>Related Certificates:</b> Wilderness Survival & Leadership CP Wildland Fire Forestry CP Wildland FireFighter 1				<input type="checkbox"/> <b>OPTION to AAS Degree</b>	
<b>Certificate Title:</b> <i>Within</i> AAS Degree? <input checked="" type="checkbox"/> Yes** <input type="checkbox"/> No <b>Wildland Fire Science</b> CC.FSWILDLAND	<b>43.0203</b>			<input checked="" type="checkbox"/> <b>CC1 (45-60 credits)</b>	<b>45-48</b>

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

LAST AMENDMENT APPROVED ON 2/7/20

### 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 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.]

<i>CURRENT CURRICULUM 22-23</i>				<i>PROPOSED CURRICULUM 23-24</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
<b>First Term</b>							
FRP-101	Basic Forest Management	33	3				
FRP-102	Basic Forest Management Lab	33	1				
FRP-130	Introduction to Wildland Firefighting (S-130/S-190/ICS-100/IS-700/L-180)	44	2				
FRP-243	Wilderness I: Psychology of Survival	33	3				
GIS-101	Principles of Geospatial Technology	44	2				
<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>WR-101 Or WR-121Z</b>	<b>Communication Skills: Occupational Writing or Composition I</b>	<b>33- 44</b>	<b>3-4</b>
<b>Second Term</b>							
FRP-211	Portable Pumps and Water Use (S-211)	20	2				
FRP-244	Wilderness II: Basic Land Navigation (S-244)	33	3				
FRP-245	Wilderness III: Weather of the Northwest	22	2				
FRP-246	Wilderness IV: Backcountry CPR/First Aid/AED	44	2				
<b>MTH-050 Or MTH-065</b>	<b>Technical Mathematics I Or Algebra II</b>	<b>44</b>	<b>4</b>				
--	Fire Science (Wildland) program electives		2-3				
<b>Third Term</b>							
BI-103	General Biology; Plants & the Ecosystem	66	4				
BI-103L	General Biology; Plants & The Ecosystem Lab	33	0				
FRP-110	Basic Wildland Fire Investigation (FI-110)	10	1				
FRP-131	Advanced Firefighter Training (S-131/S-133)	12	1				
FRP-205	Forest Management Assessments and Inventories	33	3				
FRP-249	Followership to Leadership (L-280)	20	2				
FRP-250	Wilderness VI: Basic Tool Use and Care	20	1				

FRP-270	Basic Air Operations (S-270)	16	1				
--	<b>Human Relations requirement</b>		<b>3-4</b>				
Wildland Fire Science Program Electives							
Any EMT, FRP, GEO, GIS, or UAS course not included in the Wildland Fire Science program							
<b>TOTAL CURRENT CREDITS:</b>			45-48	<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>	

We have a topic/issue for which we would like to get Curriculum Committee's thoughts on. We (I speak from the position of Department Chair of Business & Computer Science) would like to approach the Curriculum Committee on the following:

At one point (prior to the pandemic) Computer Science (part of the Business & CS Department), utilized a Placement test proctored by the Testing Center to ascertain if students knew basic computer skills (such as taught in CS-120). However, at some point during or right before the pandemic, the creator of the test (a third-party company) told the Testing Center that the test had expired and could no longer be used. There was therefore no CS placement exam for approximately two years. The Testing Center then attempted to answer student questions (by those students seeking to take the test) as to what skills they needed to know in order to take the following courses which seemed to require CS-120 or some type of computer literacy skill.

CRSE	Enforcement	Requisite
CS-125H	Recommended Prerequisites	CS-120 or equivalent experience
CS-135DB	Prerequisites	CS-120 or equivalent level of computer literacy
CS-135S	Prerequisites	CS-120 or BA-131, or equivalent level of computer literacy
CS-135W	Prerequisites	BA-131 or CS-120, or equivalent level of computer literacy
CS-140	Prerequisites	CS-120 or equivalent placement, and MTH-060 or placement in  MTH-065, and WRD-098 or placement in WR-121
CS-225	Prerequisites	CS-120 or placement in CS-121 or equivalent experience.  WRD-098 or placement in WR-101 or WR-121
CS-275	Prerequisites	CS-120 and BA-131, or equivalent level of computer literacy

Fast forward to the current academic year, half of the CS department has pursued bringing back a placement test which would only be required if the student has not taken CS-120 and wants to enroll in one of the courses listed above. The cost of the test would be \$12 per student. It has not been decided if the students or the department will pay this fee. The test would be used to indicate that a student is knowledgeable of the basics of CS-120 and therefore able to enroll in the courses referenced above. My question to all of you is "should a type of placement exam exist in the same space as possibly asking the students to challenge the required pre-requisite?" So, in effect, this placement exam would be another type of challenge exam. In addition, one of our goals is to create an inclusive and equitable environment for our students. Does this create inequities? There has also been a lot of discussion around removing barriers for our students. Does this placement test create a barrier that will deter students? Should we also be utilizing the DEI lens to answer the question of implementing such a test?

We seek your opinions, questions, and suggestions around this. Again, I believe this needed to be brought before Curriculum Committee for thorough vetting prior to any type of implementation.

Please also note that CS-120 is a course that can be challenged.

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

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Show changes since last approval in red

Date approved: April 1, 2022 Certified General Education Area(s): None

**Section #1 General Course Information**

**Department:** Business & Computer Science: Computer Science

Submitter

First Name: Jen  
Last Name: Miller  
Phone: 3138  
Email: jen.miller

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

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**# Credits:** 4

Contact hours

Lecture (# of hours): 33  
Lec/lab (# of hours): 22  
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:** Survey of Computing

Course Description:

A computer competency course to familiarize students with computer concepts, software applications and the implications of living in the digital age. Introduces students to computer concepts, including, but not limited to the Microsoft Windows environment, Microsoft Office Applications, hardware terminology, social media and the Internet.

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**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?

**No**

Are there prerequisites to this course?

**Yes**

**Pre-reqs:** WRD-098 or placement in WR-121

**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?

**Yes**

**Recommendations:**

**Requirements:** Flash drive

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**

## ✓ 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. recall common computer hardware-related terms and concepts;
2. describe major events in the history of computing, including the origin of modern computing, the evolution of the modern internet, and the evolution of the Graphical User Interface;
3. create and modify documents, spreadsheets, databases and presentations using MS Office;
4. demonstrate the successful creation of a proper email, including how to digitally attach documents to an email prior to sending;
5. demonstrate successfully navigating the MS Windows environment;
6. describe and implement effective file management, including saving files on a computer, thumb drive, and in the cloud;
7. discuss the role of computers and utilizing computers within the current industrial and technological environment;
8. review the implications of social media on personal and professional endeavors;
9. demonstrate using the Internet as a research tool for scholarly projects as well as for personal uses (e.g. shopping, travel).

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

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Major Topic Outline:

1. Introduction.
2. Computing Fundamentals.
  - a. Essential computer hardware.
  - b. The role of the operating system.
  - c. Networking concepts.
3. Using Productivity Software.
  - a. Creating an email.
  - b. Creating a new Word document.
  - c. Formatting and organizing.
  - d. Importing text.
  - e. Collaboration.
  - f. Managing money formulas and functions.
  - g. Giving meaning to data using charts.
  - h. Creating and enriching presentations.
  - i. Creating a customized database.
4. Living in the Digital Age.
  - a. Understanding the internet.
  - b. Searching for information.
  - c. Communicating online.

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

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

Percent of course: 0%

### Section #2 Course Transferability

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

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

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

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

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

How does it transfer? (Check all that apply)

:

First term to be offered:

Next available term after approval

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