

Present: ASG, Nora Brodnicki, George Burgess, Elizabeth Carney, Amanda Coffey, Megan Feagles (Recorder), Sharron Furno, Dawn Hendricks, Shalee Hodgson, Kerrie Hughes (Alternate Chair), Jason Kovac, Kara Leonard, Alice Lewis, Mike Mattson, Patricia McFarland, Tracy Nelson, Scot Pruyn (Chair), Lisa Reynolds, Charles Siegfried, Casey Sims, Sarah Steidl, Dru Urbassik, Andrea Vergun, Helen Wand, Jim Wentworth-Plato

Guests:

Absent: Dustin Bare, Rick Carino, Jeff Ennenga, Eden Francis, Sue Goff, David Plotkin, Cynthia Risan, Terrie Sanne, Tara Sprehe

1. Welcome & Introductions

2. Approval of Minutes

- a. Approval of the October 15, 2021 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. AS Engineering OSU Amendments

- i. Megan Feagles presented for Eric Lee
- ii. All 10 AS Engineering OSU programs with the same changes:
 1. Remove ANT-231 and PSY-110 because they are scheduled for inactivation in 2022
 2. Add BI-165CL to Biological Science Electives
 3. Add ENG-226 and ENG-230 to Literature and the Arts Electives
 4. Add GEO-110 to Cultural Diversity Electives

Motion to approve, approved

b. AS, Biology OSU Amendment

- i. Megan Feagles presented for the Science Department
- ii. Removing ANT-231 and PSY-110 because they will be inactive in 2022.
- iii. Adjusting core elective credits from 3 to 3-5 since that is the range of credits for the list of elective courses. Overall credits change from 92 to 92-96.

Motion to approve, approved

c. Criminal Justice

Sharron Furno presented

i. Course Inactivation

1. CJA-243
 - a. New course approved last meeting, CJA-216 will replace CJA-243

Motion to approve, approved

ii. Amendments

1. Criminal Justice AAS
 - a. Replacing CJA-243 with the new CJA-216
2. Criminal Justice AAS, Corrections Option
 - a. Replacing CJA-243 with the new CJA-216
 - b. WR-122 and HS-156 switched places because HS-156 is a prereq for HS-216 and they were in the same term.

Motion to approve, approved

-Meeting Adjourned-

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
APR-125IE	DC Theory	2022/WI
APR-134IE	Residential Wiring I	2022/WI
APR-135IE	Residential Wiring II	2022/WI
APR-136IE	Electrical Design I	2022/WI
APR-145IE	Grounding & Bonding	2022/WI
APR-155IE	Motors & Transformers	2022/WI
APR-165IE	AC Theory	2022/WI
APR-185IE	Electrical Systems	2022/WI
APR-235IE	Special Installations	2022/WI
APR-237IE	Electrical Design II	2022/WI
APR-245IE	NEC Analysis I	2022/WI
APR-255IE	NEC Analysis II	2022/WI
APR-265IE	NEC Analysis III	2022/WI
APR-275IE	NEC Analysis IV	2022/WI
BA-112	General Accounting II	2022/WI
CJA-137	Mass Murder and Serial Killers	2022/WI
CJA-216	Implicit Bias and Policing	2022/WI
CJA-290	Issues in Criminal Justice	2022/WI
FYE-101	First Year Experience Level I	2022/WI
GIS-201	Introduction to Geographic Information	2022/WI
HOR-141	Organic Farming Practicum/Spring	2022/WI
MBC-115	Insurance Billing and Reimbursement I	2022/WI
MBC-120	Introduction to Medical Coding	2022/WI
MBC-126	CPT/HCPCS Coding I	2022/WI
MBC-135	Law and Ethics for Healthcare Professions	2022/WI
MBC-225	ICD-10, CPT and HCPCS Coding II	2022/WI

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Section #1 General Course Information

Department: Apprenticeship

Submitter

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

Course Prefix and Number: APR - 125IE

Credits: 3

Contact hours

Lecture (# of hours): 36
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 36

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: DC Theory

Course Description:

Understanding DC Theory including atom's structures, static electricity, magnetism, resistors, series and parallel circuits as well as combination circuits. Required: Student Petition.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

No

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

No

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

Yes

Name of degree(s) and/or certificate(s): Electrician Apprenticeship Technologies AAS and CC

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

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

Yes

Recommendations:

Requirements: Student Petition

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

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: No

When do you plan to offer this course?

✓ Not every term

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. apply ohms law to series and parallel circuits,
2. identify the different structures of an atom and how it relates to electricity,
3. describe magnetism polarity and lines of force,
4. analyze series circuits,
5. analyze parallel circuits,
6. analyze combination circuits,
7. illustrate Kirchhoff's laws,
8. illustrate Theremin theorem.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Atom structures.
2. Ohms law.
3. Magnetism.
4. Series circuits.
5. Parallel circuits.
6. Combo circuits.
7. Kirchhoff's law.
8. Theremin theorem.

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

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

Percent of course: 0%

First term to be offered:

Next available term after approval

:

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Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Shelly

Last Name: Tracy

Phone: 0945

Email: shellyt

Course Prefix and Number: APR - 134IE

Credits: 3

Contact hours

Lecture (# of hours): 36

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 36

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: Residential Wiring I

Course Description:

The focus is on the fundamentals of electrical installations in residential; based on the National Electrical Code (NEC) and Oregon Electrical Specialty Code (OESC). Required: Student Petition.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

No

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

No

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

Yes

Name of degree(s) and/or certificate(s): Electrician Apprenticeship Technologies AAS and CC

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

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

Yes

Recommendations:

Requirements: Student Petition.

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

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: Yes

When do you plan to offer this course?

✓ Not every term

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. identify proper personal protective equipment (PPE) for the job,
2. identify potential safety hazards in residential construction,
3. solve blueprint layout using architects scale,
4. define electrical print symbols,
5. explain outlet location and mounting height,
6. explain the NEC requirements for conductor sizing,
7. design outlet layout for living room and bedrooms,
8. identify grounded and grounding conductor,
9. demonstrate how to wire switches,
10. describe the operations of GEI and AGCI,
11. differentiate IC versus non IC.
12. discuss and understand basic service requirements.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Mitigate construction hazards with proper PPE.
2. Read residential prints.
3. Layout outlets in living room and bedrooms.
4. GEI and AGCI.
6. Switch optics and how to wire each option.
7. Grounded and grounding.

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

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

Percent of course: 0%

First term to be offered:

Next available term after approval

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Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Shelly
Last Name: Tracy
Phone: 9045
Email: shellyt

Course Prefix and Number: APR - 135IE

Credits: 3

Contact hours

Lecture (# of hours): 36
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 36

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: Residential Wiring II

Course Description:

Focuses on the fundamentals of electrical installation in residential based on the National Electrical Code (NEC) and Oregon Specialty Code (OESC). Required: Student Petition.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

No

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

No

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

Yes

Name of degree(s) and/or certificate(s): Electrician Apprenticeship Technologies AAS and CC

Are there prerequisites to this course?

Yes

Pre-reqs: APR-134IE

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: Student Petition

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

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: No

When do you plan to offer this course?

✓ Not every term

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. identify different lighting options,
2. estimate the load of a branch circuit,
3. identify the proper number of receptacles per branch circuit,
4. describe ceiling fan requirement,
5. define the requirement for bathroom, halls, porches;
6. estimate the load requirements for kitchen appliances,
7. demonstrate the ability to differentiate between hard wired versus cord connected,
8. explain laundry requirements,
9. explain HVAC, AC units,
10. identify different low voltage systems,
11. identify the different aspects of pool wiring.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. How to layout and wire lighting.
2. How to size circuits based on load.
3. Understand the requirements for kitchen appliances.
4. Understand the requirements for bathroom, hall and porches.
5. How to wire the different types of heating and AC equipment.
6. Understand the basics of pool and spa wiring.
7. Understand the NEC requirements for low voltage systems.

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

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

Percent of course: 0%

First term to be offered:

Next available term after approval

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Section #1 General Course Information

Department: Apprenticeship

Submitter

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

Course Prefix and Number: APR - 136IE

Credits: 3

Contact hours

Lecture (# of hours): 36
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 36

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

Course Title: Electrical Design I

Course Description:

Provides design criteria for single family and multifamily dwelling as well as outbuilding, by using the National Electric Code (NEC) and Oregon Specialty Electrical Code (OESC) to design and calculate electrical service and other aspects of a residence. Required: Student Petition.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

No

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

No

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

Yes

Name of degree(s) and/or certificate(s): Electrician Apprenticeship Technologies AAS and CC

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

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

Yes

Recommendations:

Requirements: Student Petition.

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

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: No

When do you plan to offer this course?

✓ Not every term

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. identify proper service size for single family,
2. identify proper service size for multi-family,
3. apply the proper demand to appliances,
4. determine the grounding requirement,
5. compare standard versus optional calculations,
6. design circuit for a residence,
7. demonstrate a proficiency in all aspects of residential electrical design.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Residential calculations using the NEC and OESC.
2. Cooking equipment requirements.
3. Standard & optional residential calculations.
4. Designing systems in a residence.
5. Proper grounding and bonding of residences.
6. Designing service for outbuildings.
7. Proper circuit sizing.

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

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

Percent of course: 0%

First term to be offered:

Next available term after approval

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Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Shelly

Last Name: Tracy

Phone: 0945

Email: shellyt

Course Prefix and Number: APR - 145IE

Credits: 3

Contact hours

Lecture (# of hours): 36

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 36

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: Grounding & Bonding

Course Description:

Discusses what grounding is and its proper terms. It also discusses why effective grounding is needed and how effective grounding can be made a part of the electrical system. Required: Student Petition.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

No

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

No

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

Yes

Name of degree(s) and/or certificate(s): Electrician Apprenticeship Technologies AAS and CC

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

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

Yes

Recommendations:

Requirements: Student Petition.

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

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: No

When do you plan to offer this course?

✓ Not every term

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

No

Will this course appear in the schedule?

No**Student Learning Outcomes:**

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

1. identify various faults and the stresses caused,
2. explain the purpose of a grounding electrode system and how to size the conductor,
3. explain why systems and circuits are grounded,
4. calculate the minimum size grounded conductor and main bond jumper,
5. demonstrate how to size and bond equipment and enclosures,
6. identify a separately derived system and its grounding requirements,
7. explain the requirements regarding grounding two or more buildings.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Orientation, grounding Article 250.
2. Grounding, safety and the electrode system.
3. Faults, grounding electrode systems(GES).
4. Installing grounding electrode system.
5. Grounded conductor.
6. Equipment grounding conductor, equipment and enclosure bonding.
7. Equipment and enclosure grounding.
8. Separately derived systems, grounding and bonding.
9. Two or more buildings, grounding and bonding.
10. Bonding: main bonding jumper, supply side bonding jumper, bonding versus grounding.

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

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

Percent of course: 0%

First term to be offered:

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Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Shelly

Last Name: Tracy

Phone: 0945

Email: shellyt

Course Prefix and Number: APR - 155IE

Credits: 3

Contact hours

Lecture (# of hours): 36

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 36

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: Motors & Transformers

Course Description:

Covers basic generator, AC and DC motor and transformer construction and theory, as well as calculations involving motors and transformers. Practical use of the NEC will be introduced. Required: Student Petition.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

No

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

No

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

Yes

Name of degree(s) and/or certificate(s): Electrician Apprenticeship Technologies AAS and CC

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

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

Yes

Recommendations:

Requirements: Student Petition.

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

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: No

When do you plan to offer this course?

✓ Not every term

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. identify different types of motors,
2. properly size motor circuits and motor over current protection,
3. demonstrate the ability to properly hook up and operate a magnetic starter with a stop-start station,
4. demonstrate the ability to properly size and protect transformer windings,
5. explain emergency, standby, and legally required standby circuitry;
6. use the national electric code to properly install motor and generator and transformers.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Orientation, Generator Theory.
2. Generator Code per NEC.
3. Transformer Theory.
4. Transformer Code per NEC.
5. Midterm.
6. Motor Theory.
7. Overcurrent and locked rotor per NEC.
8. Motor overload protection, motor branch circuit calculations.
9. Control circuits and connecting of simple controls.

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

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

Percent of course: 0%

First term to be offered:

Next available term after approval

:

Clackamas Community College

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Section #1 General Course Information

Department: Apprenticeship

Submitter

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

Course Prefix and Number: APR - 165IE

Credits: 3

Contact hours

Lecture (# of hours): 36
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 36

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: AC Theory

Course Description:

Understand AC Theory, Basic Trigonometry and vectors. Understand inductance in AC circuits and resistance-inductive series and parallel circuits. AC circuits containing capacitors. Required: Student Petition.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

No

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

No

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

Yes

Name of degree(s) and/or certificate(s): Electrician Apprenticeship Technologies AAS and CC

Are there prerequisites to this course?

Yes

Pre-reqs: APR-125IE

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: Student Petition

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

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: No

When do you plan to offer this course?

✓ Not every term

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. apply Pythagorean theorem,
2. demonstrate the ability to use sine, cosine and tangents to solve problems;
3. evaluate the advantages of AC,
4. define the skin effect in AC circuits,
5. estimate inductive reactance in AC circuits,
6. explain current wattage in an AC circuit,
7. discuss capacitors and how they affect AC circuit,
8. explain power factor,
9. illustrate voltage drop in an AC circuit.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Pythagorean Theorem.
2. Sine, cosine and tangents.
3. AC waveforms.
4. AC resistive loads.
5. Inductive reactance.
6. Voltage and current relationship in inductive circuits.
7. Impedance.
8. Voltage drop across resistors.
9. Capacitors.

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

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

Percent of course: 0%

First term to be offered:

Next available term after approval

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Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Shelly

Last Name: Tracy

Phone: 0945

Email: shellyt

Course Prefix and Number: APR - 185IE

Credits: 3

Contact hours

Lecture (# of hours): 36

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 36

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

Course Title: Electrical Systems

Course Description:

This course will illustrate different electrical systems from branch circuits and feeders to electrical services. The National Electrical Code (NEC) NFPA 70 requirements for equipment will also be covered in this course. Required: Student Petition.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

No

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

No

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

Yes

Name of degree(s) and/or certificate(s): Electrician Apprenticeship Technologies AAS and CC

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

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

Yes

Recommendations:

Requirements: Student Petition.

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

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: No

When do you plan to offer this course?

✓ Not every term

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. explain how to properly employ the National Electric Code,
2. explain the difference between branch circuits and feeders,
3. explain the different aspects of electrical services,
4. identify proper conductor size and overcurrent protection,
5. explain the difference between ground fault and short circuit and their effects on electrical systems,
6. explain the various electrical wiring methods,
7. identify the different equipment for general use and the NEC requirements for each.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Using the NEC.
2. Branch circuits and feeders.
3. Electrical services.
4. Conductors and overcurrent protection.
5. Wiring methods and requirements.
6. Wire materials—raceways and boxes.
7. Wire materials—switchgear and panel boards.
8. Equipment for general use.

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

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

Percent of course: 0%

First term to be offered:

Next available term after approval

:

Clackamas Community College

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Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Shelly

Last Name: Tracy

Phone: 0945

Email: shellyt

Course Prefix and Number: APR - 235IE

Credits: 3

Contact hours

Lecture (# of hours): 36

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 36

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

Course Title: Special Installations

Course Description:

Covers special occupancies, special equipment, special conditions as they pertain to the National Electric Code and Oregon Specialty Code (OESC) it will also touch on communication systems. Required: Student Petition.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

No

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

No

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

Yes

Name of degree(s) and/or certificate(s): Electrician Apprenticeship Technologies AAS and CC

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

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

Yes

Recommendations:

Requirements: Student Petition.

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

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: No

When do you plan to offer this course?

✓ Not every term

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

No

Will this course appear in the schedule?

No**Student Learning Outcomes:**

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

1. define the breakdown of hazardous locations,
2. describe appropriate safety measure for hazardous locations,
3. outline the different aspects of patient care area in hospitals,
4. discuss the required wiring methods in hospital,
5. identify wiring methods for different places of assembly,
6. identify wiring methods for special equipment, including elevators, solar, wind systems;
7. describe the difference in emergency, legal and optional systems,
8. identify the communication systems.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. NEC special occupancies.
2. NEC special equipment.
3. NEC special condition.
4. NEC communications.
5. Hazardous locations.
6. Hospitals.
7. Elevators.
8. Solar.
9. Wind.
10. Electric car chargers.
11. Communication systems.
12. Wiring Hierarchy.

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

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

Percent of course: 0%

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

:

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Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Shelly

Last Name: Tracy

Phone: 0945

Email: shellyt

Course Prefix and Number: APR - 237IE

Credits: 3

Contact hours

Lecture (# of hours): 36

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 36

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

Course Title: Electrical Design II

Course Description:

Provides design criteria for commercial and industrial electrical, by using the National Electric Code (NEC) and Oregon Specialty Code (OESC). To design and calculate service as well as other aspects of commercial and industrial electrical installations. Required: Student Petition.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

No

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

No

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

Yes

Name of degree(s) and/or certificate(s): Electrician Apprenticeship Technologies AAS and CC

Are there prerequisites to this course?

Yes

Pre-reqs: APR-136IE

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: Student Petition

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

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: No

When do you plan to offer this course?

✓ Not every term

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. identify proper service size for commercial projects,
2. identify proper service size for industrial projects,
3. apply proper demand to restaurant kitchen equipment,
4. determine grounding and bonding requirements,
5. compare standard versus optional calculations,
6. understand voltage drop in branch circuits,
7. understand HVAC and other air handling systems,
8. understand freezers and coolers and other compressor loads,
9. design circuits for industrial equipment,
10. determine equipment load and NEC requirements for disconnect and overcurrent protection,
11. design service and distribution systems for a commercial as well as industrial building.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Commercial calculations using NEC and OESC.
2. Industrial calculations using NEC and OESC.
3. Standard versus optional calculation.
4. Proper grounding and bonding in commercial and industrial.
5. HVAC and other air handling systems.
6. Welders circuits.
7. Restaurant design.
8. Manufacturing plants-design and layout.

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

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

Percent of course: 0%

First term to be offered:

Next available term after approval

:

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Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Shelly

Last Name: Tracy

Phone: 0945

Email: shellyt

Course Prefix and Number: APR - 245IE

Credits: 3

Contact hours

Lecture (# of hours): 36

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 36

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: NEC Analysis I

Course Description:

This course teaches how the National Electrical Code (NEC) NFPA 70 is arranged, covering its introduction, chapters, articles, parts, and sections. The student will learn to navigate and understand the relationship each part of the Code has to the other parts and will develop an in-depth comprehension of the verbiage and layout of the NEC to become adept at using the Code. Required: Student Petition.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

No

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

No

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

Yes

Name of degree(s) and/or certificate(s): Electrician Apprenticeship Technologies AAS & CC

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

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

Yes

Recommendations:

Requirements: Student Petition.

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

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: Yes

When do you plan to offer this course?

✓ Not every term

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. identify the different chapters of the NEC,
2. identify in which chapter an article can be located,
3. explain how the different chapters work together,
4. demonstrate the ability to maneuver through the NEC to find answers to questions about electrical installations,
5. use the contents and index to navigate the NEC,
6. identify specific areas of an article to locate answers.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Orientation, NEC introduction
2. Wiring and protection.
3. Wiring methods and materials.
4. Equipment for general use.
5. Special occupancies.
6. Special equipment.
7. Special conditions.
8. Communication systems.

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

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

Percent of course: 0%

First term to be offered:

Next available term after approval

:

Clackamas Community College

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Section #1 General Course Information

Department: Apprenticeship

Submitter

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

Course Prefix and Number: APR - 255IE

Credits: 3

Contact hours

Lecture (# of hours): 36
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 36

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: NEC Analysis II

Course Description:

This course takes an in-depth look at Chapters 1-3 of the National Electrical Code (NEC) NFPA 70 and incorporates Oregon and Washington rules and statutes. Required: Student Petition.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

No

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

No

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

Yes

Name of degree(s) and/or certificate(s): Electrician Apprenticeship Technologies AAS & CC

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

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

Yes

Recommendations:

Requirements: Student Petition.

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

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: Yes

When do you plan to offer this course?

✓ Not every term

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. explain working clearances,
2. identify the general definitions of the NEC,
3. identify the different wiring methods,
4. describe the installation requirements of branch circuits,
5. calculate service size,
6. explain installation requirements for feeders,
7. explain the different aspects of grounding,
8. explain the NEC requirements for receptacles,
9. explain where Oregon and Washington rules supersede the NEC.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Sizing, ground fault, and short circuit protection.
2. Working clearances around electrical equipment.
3. Requirements for GFCI protection.
4. Sizing electrical services in multiple building types.
5. Sizing and grounding electrode conductors and systems.
6. Designing branch circuits and feeders.
7. Installation criteria for different wiring methods.

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

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

Percent of course: 0%

First term to be offered:

Next available term after approval

:

Clackamas Community College

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Section #1 General Course Information

Department: Apprenticeship

Submitter

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

Course Prefix and Number: APR - 265IE

Credits: 3

Contact hours

Lecture (# of hours): 36
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 36

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: NEC Analysis III

Course Description:

This course takes an in-depth look at Chapters 4 and 5 of the National Electrical Code (NEC) NFPA 70. Oregon OAR 918 and ORS 479 as well as Washington RCW 19.28 and WAC 296-46B will be covered in this course. Required: Student Petition.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

No

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

No

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

Yes

Name of degree(s) and/or certificate(s): Electrician Apprenticeship Technologies AAS & CC

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

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

Yes

Recommendations:

Requirements: Student Petition.

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

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: Yes

When do you plan to offer this course?

✓ Not every term

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. identify how flexible cords are utilized in electrical installations,
2. discuss the different types of switches and installation requirements,
3. explain the requirement of luminaire installation,
4. design motor circuits,
5. design transformer installations,
6. discuss hazardous locations,
7. explain installation demands of a health care facility,
8. identify wiring methods in places of assembly.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Cords, switches, and receptacles.
2. Luminaires and lighting systems.
3. Appliances and heating equipment.
4. Motors, motor circuits, and controllers.
5. Air conditioning and refrigeration.
6. Transformers, phase converters, capacitors, and batteries.
7. Hazardous locations.
8. Health care facilities.
9. Places of assembly.
10. Recreational facilities and marinas.

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

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

Percent of course: 0%

First term to be offered:

Next available term after approval

:

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Section #1 General Course Information

Department: Apprenticeship

Submitter

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

Course Prefix and Number: APR - 275IE

Credits: 3

Contact hours

Lecture (# of hours): 36
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 36

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: NEC Analysis IV

Course Description:

This course takes an in-depth look at Chapters 6 - 8 of the National Electrical Code (NEC) NFPA 70 as well as Oregon Administrative Rules (OARs) and Washington Administrative Code (WAC). Test-taking procedures and preparation for journey-level electrical exam are emphasized. Required: Student Petition.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

No

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

No

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

Yes

Name of degree(s) and/or certificate(s): Electrician Apprenticeship Technologies AAS and CC

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

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

Yes

Recommendations:

Requirements: Student Petition.

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

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: Yes

When do you plan to offer this course?

✓ Not every term

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. identify the different requirements for electric signs,
2. explain the requirements for elevators, escalators, and chair lifts;
3. design feeders supplying electric vehicle spaces,
4. identify the requirements of welding equipment,
5. explain the different aspects of wiring a swimming pool or hot tub,
6. outline the requirements of solar photovoltaic systems,
7. identify the difference between emergency systems, legally-required systems, and optional standby systems;
8. describe the different types of communication systems.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Wiring requirements of signs.
2. Wiring requirements of elevators and walkways.
3. Size feeders for welders.
4. Low voltage wiring types and methods.
5. Solar voltaic and wind systems.
6. Emergency systems.
7. Utility interconnection of systems.
8. Communication systems.
9. Journey-level test prep.
10. Oregon and Washington rules and standards.

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

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

Percent of course: 0%

First term to be offered:

Next available term after approval

:

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Section #1 General Course Information

Department: Business & Computer Science: Business

Submitter

First Name: Joan
Last Name: San-Claire
Phone: 3013
Email: joan.san-claire@clackamas.edu

Course Prefix and Number: BA - 112

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: General Accounting II

Course Description:

Provides a more in-depth look at general accounting principles and practices for small business. Topics include payroll, recording bad debt, notes receivable and payable, inventory adjustment, and long-term asset valuation. Accounting practices for partnerships and manufacturing structures are examined, and financial analysis is introduced as a tool for evaluating the health and wealth of a business.

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): Accounting Clerk Certificate, Accounting AAS

Are there prerequisites to this course?

Yes

Pre-reqs: BA-111 or BA-211

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

No

Are there corequisites to this course?

No

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

No

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

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

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

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **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. calculate and record pay and payroll taxes, and review required tax forms;
2. account for receivables, practice methods of writing off bad debt;
3. calculate interest expense and record notes payable;
4. adjust merchandise inventory for perpetual systems;
5. measure the cost of property, plant, and equipment, calculate depreciation;
6. examine accounting for partnerships;
7. analyze financial statements and interpret ratios to evaluate performance;
8. track the flow of costs for a manufacturer.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Payroll.
2. Bad debts.
3. Notes receivable and notes payable.
4. Merchandise inventory accounting.
5. Property, plant, equipment, and intangible assets.
6. Partnership accounting.
7. Financial analysis.
8. Manufacturing accounting.

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)

- | | |
|---|---|
| <input checked="" type="checkbox"/> EOU (Eastern Oregon University) | <input checked="" type="checkbox"/> PSU (Portland State University) |
| <input checked="" type="checkbox"/> OIT (Oregon Institute of Technology) | <input checked="" type="checkbox"/> SOU (Southern Oregon University) |
| <input checked="" type="checkbox"/> OSU (Oregon State University) | <input checked="" type="checkbox"/> UO (University of Oregon) |
| <input checked="" type="checkbox"/> OSU-Cascade | <input checked="" type="checkbox"/> WOU (Western Oregon University) |

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

LB BA 112 Practical Accounting II

How does it transfer? (Check all that apply)

- general elective**
- other (provide details):** business elective

First term to be offered:

Specify term: Winter 2022

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Section #1 General Course Information

Department: EHCJ

Submitter

First Name: **Sharron**
Last Name: **Furno**
Phone: **6224**
Email: **sharron.furno**

Course Prefix and Number: CJA - 137

Credits: 3

Contact hours

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

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

Course Title: Mass Murder and Serial Killers

Course Description:

Explores the phenomenon of both mass murders and serial killings, and the impact each has both upon society and individual victims. Examines recent and historically notorious cases, while probing issues such as causation, social environmental linkage, and the mindset of offenders. May be repeated for up to 3 credits.

Type of Course: Lower Division Collegiate

Is this class challengeable?

No

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? 3

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:

✓ Social Science

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

Yes

Name of degree(s) and/or certificate(s): Criminal Justice and Corrections programs

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

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

No

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

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: No

When do you plan to offer this course?

✓ Not every term

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1. recognize the difference between mass murderers and serial killers,
 2. identify notorious cases of mass murder and serial killings throughout history,
 3. analyze the personalities of mass murderers and serial killers,
 4. describe the sociopathic and psychopathic personality,
 5. explain the various methods used by criminal profilers in investigating crimes.
-

COURSE OUTLINE MAPPING CHART**Mark outcomes addressed by the course:**

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

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

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

SP: Speech/Oral Communication Outcomes

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

MA: Mathematics Outcomes:

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

AL: Arts and Letters Outcomes

1. Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life.
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.
- 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

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

Outcomes Assessment Strategies:

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

:

Major Topic Outline:

1. History of mass murder.
2. Infamous mass murder cases.
3. Case studies of noteworthy serial killings.
4. Examination of the criminal mind.
5. Psychopathic personality and “red flags.”
6. Common childhood disorders and behaviors of psychopaths.
7. Social issues and their link to violent and inappropriate behavior (music, TV, movies).
8. Dysfunctional family structure.
9. Relationship between pornography and sexually-motivated serial killing.
10. Law enforcement response and prevention.

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)

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

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

How does it transfer? (Check all that apply)

✓ **general elective**

:

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

First term to be offered:

Next available term after approval

:

Clackamas Community College

Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: Education, Human Services and Criminal Justice

Submitter

First Name: Sharron
Last Name: Furno
Phone: 503.594.6224
Email: sharron.furno@clackamas.edu

Course Prefix and Number: CJA - 216

Credits: 3

Contact hours

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

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

Course Title: Implicit Bias and Policing

Course Description:

This course explores the concept of implicit bias and the potential influence of bias in law enforcement decision-making. Provides an overview of implicit bias assessments and their limitations. Students will develop skills to recognize and take action to manage bias and identify law enforcement practices that reduce bias and positively influence community relations.

Type of Course: Lower Division Collegiate

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

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

No

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

Yes

Name of degree(s) and/or certificate(s): AAS Criminal Justice and Corrections Option

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.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1. recognize the ongoing influence of historical events on current police/community relationships with underrepresented/marginalized communities,
2. analyze the fair and impartial policing and discuss the importance of fair and impartial policing to the community,
3. recognize implicit and explicit bias,
4. explain how the Implicit Association Test instrument may be used to identify potential areas of personal bias,
5. identify law enforcement practices that reduce bias and positively influence community relations,
6. create a plan for implementing personal strategies to mitigate implicit bias in decision-making.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. A brief history of policing in America.
2. Policing in underrepresented/marginalized communities.
3. Procedural justice and police legitimacy.
4. Defining implicit and explicit bias.
5. Other biases that impact interpersonal relationships and interactions.
6. Impact of bias in private and public sector organizations.
7. Impact of bias on law enforcement decision-making.
8. The Implicit Association Test (IAT).
9. Personal strategies to mitigate implicit bias in decision-making.
10. Law enforcement practices that reduce bias and positively influence police/community relations.

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

- | | |
|--------------------------------------|-----------|
| 1. Increased energy efficiency | No |
| 2. Produce renewable energy | No |
| 3. Prevent environmental degradation | No |
| 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)

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

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

How does it transfer? (Check all that apply)

- ✓ **general elective**
- ✓ **other (provide details):** Part of AAOT

First term to be offered:

Specify term: Spring

Clackamas Community College

Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: Education, Human Services & Criminal Justice

Submitter

First Name: **Sharron**
Last Name: **Furno**
Phone: **6224**
Email: **sharron.furno**

Course Prefix and Number: CJA - 290

Credits: 3

Contact hours

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

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

Course Title: Issues in Criminal Justice

Course Description:

This course gives students an opportunity to gain knowledge in a specific area relevant to the field of criminal justice. This topic will be pulled from a comprehensive list of areas identified by criminal justice and corrections professionals as having importance for students pursuing work in the field. Variable Credit: 1-3 credits. May be repeated for up to 6 credits.

Type of Course: Lower Division Collegiate

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? 6

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?

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: No

When do you plan to offer this course?

✓ Not every term

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1. identify and articulate current information regarding a specific contemporary issue in criminal justice per course topic content,
2. recognize circumstances related to a specific contemporary issue in criminal justice and identify skills and knowledge needed in those circumstances,
3. apply information learned in class through observation, case studies, or other methods.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Specific contemporary issue/topic in criminal justice
2. Impact on individuals
3. Impact on systems
4. Skills and information needed for criminal justice practitioners

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

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

Percent of course: 0%

Section #2 Course Transferability

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

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

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

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

PSU (Portland State University)

SOU (Southern Oregon University)

WOU (Western Oregon University)

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

Lower division electives

How does it transfer? (Check all that apply)

required or support for major

general elective

:

First term to be offered:

Specify term: Spring 2016

Clackamas Community College

Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: Counseling

Submitter

First Name: Stephanie
Last Name: Schaefer
Phone: 6135
Email: sschaefer

Course Prefix and Number: FYE - 101

Credits: 2

Contact hours

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

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

Course Title: First Year Experience Level I

Course Description:

This is the first course in a 3-course sequence designed to help students adjust to a new campus, connect with other students, understand college expectations and systems, and access services available through the college. The First Year Experience Level I course is designed to help students in developing relationships with students and faculty, and to build student behaviors for successfully completing classes and continuing college through to completion.

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?

Yes

Have you talked with a librarian regarding that impact?

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

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: No

When do you plan to offer this course?

✓ **Fall**

✓ **Winter**

✓ **Spring**

Is this course equivalent to another?

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

YesCourse Number: **FYE-101ES** Title: **Experiencia de Primer Año (First Year Experience e**

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1. complete course assignments using Moodle and MyClackamas;
2. demonstrate elements of comprehensive college planning including developing an academic plan;
3. demonstrate self-reflection in evaluating their academic progress;
4. exhibit effective student behaviors including applying study skills and using the Learning Center;
5. attend college activities or events that lead to increased knowledge of the college and engagement with members of the college community.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Welcome to College
2. Time Management
3. Types of Degrees & Certificates & Resources
4. Educational Planning
5. Goal Setting
6. Personal Responsibility
7. Stress Management
8. Welcome to Next Term/Gratitude

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

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

Percent of course: 0%

Section #2 Course Transferability

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

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

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

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

PSU (Portland State University)

UO (University of Oregon)

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

How does it transfer? (Check all that apply)

general elective

:

First term to be offered:

Next available term after approval

:

Clackamas Community College

Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: EGIS

Submitter

First Name: Eric
Last Name: Roberts
Phone: 6495
Email: eric.roberts

Course Prefix and Number: GIS - 201

Credits: 3

Contact hours

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

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

Course Title: Introduction to Geographic Information Systems

Course Description:

This course explores fundamental concepts of geographic information systems (GIS) utilizing hands-on application through a variety of laboratory exercises with industry-standard ArcGIS software. The class explores basic map principles, cartographic design, geodesy, and geospatial data manipulation while exploring ArcGIS to create, display, query, relate, classify, and analyze spatial data to create maps and answer geographic questions.

Type of Course: Career Technical Preparatory

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

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

No

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

Yes

Name of degree(s) and/or certificate(s): CC.GISTECHNOLOGY

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: No

When do you plan to offer this course?

✓ **Summer**

✓ **Fall**

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1. explain different map types and elements,
2. query features using logical expressions,
3. find features using spatial relationships,
4. research and obtain spatial data and non-spatial data,
5. explore and apply geodetic principles to GIS data,
6. use joins to solve geospatial problems,
7. create and use a geodatabase in the ArcGIS environment,
8. create maps and present analysis findings.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Basics of ArcGIS.
2. Locating and processing spatial data.
3. Displaying and georeferencing data in ArcGIS.
4. Table and spatial joins in ArcGIS.
5. Vector and raster analysis in ArcGIS.
6. Working with attributes in ArcGIS.
7. Spatial and attribute queries.
8. Presenting data in ArcGIS.
9. Basic cartographic principles.

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 | Yes |
| 4. Clean up natural environment | Yes |
| 5. Supports green services | Yes |

Percent of course: 20%

First term to be offered:

Next available term after approval

:

Clackamas Community College
Online Course/Outline Submission System

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Section #1 General Course Information

Department: Horticulture

Submitter

First Name: **Chris**
Last Name: **Konieczka**
Phone: **503-594-6213**
Email: **chrisk@clackamas.edu**

Course Prefix and Number: HOR - 141

Credits: 4

Contact hours

Lecture (# of hours):
Lec/lab (# of hours): 88
Lab (# of hours):
Total course hours: 88

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: Organic Farming Practicum/Spring

Course Description:

Essential organic farming practices, including seasonal activities such as production of transplants, direct seeding, pest, disease, and weed management strategies, bed preparation, equipment operations, and soil, water and fertilizer management. Class lecture, field trips, and lab are all included in this course. This format has been selected to create a hands-on experience for each student in seasonal crop production.

Type of Course: Career Technical Preparatory

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

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

No

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

Yes

Name of degree(s) and/or certificate(s): Organic Farming Certificate

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

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

No

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

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ Spring

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1. safely and efficiently use crop production tools and equipment
2. maintain crop production tools and equipment
3. understand and apply knowledge of industry standard crop production methods for transplanted and direct seeded crops,
4. describe and apply management principles of the environmental factors that produce quality transplants,
5. understand effective, timely, and scale appropriate pest, disease, and weed management strategies according to specific crop and market needs, with attention to labor hours and ergonomics.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Farm Production Skills.
 - a. Greenhouse propagation of transplants
 - b. Raised bed building
 - c. Direct seeding and transplanting
 - d. Production methods for specific crops
 - e. Use of crop production tools and equipment
2. Pest/Disease/Weed Management
 - a. Management strategies
 - b. Management equipment
 - c. Common problems and prevention
 - d. OMRI approved products and their use

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 | Yes |
| 4. Clean up natural environment | No |
| 5. Supports green services | Yes |

Percent of course: **80%**

First term to be offered:

Specify term: **Spring 2022**

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: HTHS

Submitter

First Name: Cindy
Last Name: Garner
Phone: 503-594-0672
Email: Cindy.garner@clackamas.edu

Course Prefix and Number: MBC - 115

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: Insurance Billing and Reimbursement I

Course Description:

First course of a two part series. This course introduces the student to health insurance, insurance billing and reimbursement. Students will study the health insurance industry, legal and regulatory issues, and differences in reimbursement methods. The principles of medical billing will be covered, including proper claim form preparation. Required: Student Petition.

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): Medical Billing and Coding Certificate

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

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

Yes

Recommendations:

Requirements: Medical Billing and Coding students only. Student Petition.

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

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

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

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: No

When do you plan to offer this course?

✓ Winter

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

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 importance of the patient registration process, including required forms,
2. identify laws that pertain to the role of a medical biller,
3. explain the life-cycle of a physician-based insurance claim,
4. describe the importance of provider documentation,
5. identify the importance of medical necessity standards and coding to the claim.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Introduction to healthcare.
2. Health insurance models and consumer-driven health plans.
3. Patient registration process and data capture.
4. Introduction to ICD-10-CM.
5. CPT® concepts.
6. HCPCS level II concepts.
7. Medical necessity.
8. Claim forms.

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

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

Percent of course: 0%

First term to be offered:

Specify term: Winter 2022

Clackamas Community College

Online Course/Outline Submission System

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Print

Edit

Delete

Back

Reject

Publish

Section #1 General Course Information

Department: HTHS

Submitter

First Name: Cindy

Last Name: Garner

Phone: (503) 594-0672

Email: cindy.garner@clackamas.edu

Course Prefix and Number: MBC - 120

Credits: 3

Contact hours

Lecture (# of hours): 33

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 33

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

Course Title: Introduction to Medical Coding

Course Description:

This course will explore the fundamental medical coding skills for professional services, such as physicians, mid-level providers, etc. Students will investigate the fundamentals of Diagnostic and Procedural medical coding. Required: Student Petition.

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): Medical Billing and Coding Certificate

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

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

Yes

Recommendations:

Requirements: Medical Billing and Coding students only. Student Petition.

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

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: No

When do you plan to offer this course?

✓ **Winter**

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1. identify the purpose of the International Classification of Diseases, Revision 10 (ICD-10-CM), Current Procedural Terminology (CPT®), and Healthcare Common Procedural Coding System (HCPCS) coding;
2. label and highlight your ICD-10-CM, CPT®, and HCPCS code books;
3. identify and apply the official coding guidelines in the ICD-10-CM, CPT®, and HCPCS code books;
4. locate and identify the information in the appendices of the three code books,
5. identify the importance of complete and accurate coding,
6. code patient services.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. The business of medicine.
2. Medical terminology and anatomy review.
3. Introduction to ICD-10-CM, CPT®, and HCPCS code books.
4. Applying the ICD-10-CM guidelines.
5. Introduction to surgery guidelines.
6. Coding with modifiers.

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

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

Percent of course: 0%

First term to be offered:

Specify term: Winter 2022

Clackamas Community College

Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: HTHS

Submitter

First Name: Cindy
Last Name: Garner
Phone: (503) 594-0672
Email: cindy.garner@clackamas.edu

Course Prefix and Number: MBC - 126

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: CPT/HCPCS Coding I

Course Description:

This course reviews fundamental medical coding skills for professional services, such as physicians, mid-level providers, etc. The student will explore the basics of procedural medical coding related to the Current Procedural Terminology (CPT) and Healthcare Common Procedure Coding System (HCPCS) Code Sets. Required: Student Petition.

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): Medical Billing and Coding Certificate

Are there prerequisites to this course?

Yes

Pre-reqs: MBC-120 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?

Yes

Co-reqs: MBC-125

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

Yes

Recommendations:

Requirements: Medical Billing and Coding students only. Student Petition.

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

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: No

When do you plan to offer this course?

✓ 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. interpret and apply the official CPT® and HCPCS coding guidelines,
2. apply coding conventions when assigning procedure, service, and supply codes;
3. identify and locate the information in appendices of the CPT® and HCPCS code books,
4. code a variety of patient services using CPT® and HCPCS code books,
5. apply correct coding of operative reports.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Integumentary system.
2. Musculoskeletal system.
3. Respiratory system.
4. Digestive system.
5. Urinary system and male genital system.
6. Female reproductive system and maternity care & delivery.
7. Endocrine system and nervous system.
8. Special senses (ocular and auditory).

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

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

Percent of course: 0%

First term to be offered:

Specify term: Spring 2022

Clackamas Community College

Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: HTHS

Submitter

First Name: Cindy
Last Name: Garner
Phone: (503) 594-0672
Email: cindy.garner@clackamas.edu

Course Prefix and Number: MBC - 135

Credits: 3

Contact hours

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

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

Course Title: Law and Ethics for Healthcare Professions

Course Description:

This course introduces legislation affecting healthcare, along with a review of issues such as professional liability, informed consent, privacy and security laws, electronic health records and workplace legalities. A variety of ethical issues in health care are explored, as well as an examination of future trends in health care. Required: Student Petition.

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): Medical Billing and Coding Certificate

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

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

Yes

Recommendations:

Requirements: Medical Billing and Coding students only. Student Petition.

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

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: No

When do you plan to offer this course?

✓ **Winter**

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1. define both legal and ethical terms as used in health care,
2. identify the specific laws pertinent to health care professionals and facilities,
3. discuss the implications of violating the various health care laws,
4. define fundamental health care ethical principles as they apply to all providers of care and services.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Introduction to law and ethics.
2. Making ethical decisions.
3. Working in healthcare.
4. Law, the courts, and contracts.
5. Professional liability.
6. Defenses to liability suits.
7. Medical records and health information technology.
8. Privacy, security, and fraud.
9. Public health responsibilities of healthcare practitioners.
10. Workplace legalities.

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

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

Percent of course: 0%

First term to be offered:

Specify term: Winter 2022

Clackamas Community College

Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: HTHS

Submitter

First Name: Cindy
Last Name: Garner
Phone: (503) 594-0672
Email: cindy.garner@clackamas.edu

Course Prefix and Number: MBC - 225

Credits: 5

Contact hours

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

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

Course Title: ICD-10, CPT and HCPCS Coding II

Course Description:

This course will demonstrate fundamental medical coding skills for professional services, such as physicians, mid-level providers, etc. Students will explore the basics of diagnostic and procedural medical coding related to the International Classification of Diseases, Revision 10-Clinical Modification (ICD-10 CM), Current Procedural Terminology (CPT) and Healthcare Common Procedure Coding System (HCPCS) Code Sets. Required: Student Petition.

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): Medical Billing and Coding Certificate

Are there prerequisites to this course?

Yes

Pre-reqs: MBC-120, MBC-125, and MBC-126 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?

Yes

Recommendations:

Requirements: Medical Billing and Coding students only. Student Petition.

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

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: No

When do you plan to offer this course?

✓ Summer

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1. identify the purpose of the International Classification of Diseases, revision 10-clinical modification (ICD-10-CM), Current Procedural Terminology (CPT®) and Healthcare Common Procedure Coding System (HCPCS) code books;
2. identify and apply official coding guidelines,
3. apply coding conventions when assigning all codes,
4. explain the determination of the levels of evaluation and management services,
5. identify the information in appendices of the ICD-10, CPT®, and HCPCS code books;
6. code a variety of patient services using the ICD-10, CPT®, and HCPCS code books.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Anesthesia.
2. Cardiovascular system.
3. Hemic & lymphatic systems, mediastinum, diaphragm.
4. Radiology.
5. Pathology & laboratory.
6. Evaluation & management services.
7. Medicine.
8. What lies ahead.

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

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

Percent of course: 0%

First term to be offered:

Specify term: Summer 2022

December 3, 2021

Course Number	Title	Implementation
APR-207PB	Municipal Systems	2022/WI

Clackamas Community College

Online Course/Outline Submission System

Section #1 General Course Information

Department: Apprenticeship

Submitter

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

Course Prefix and Number: APR - 207PB

Credits: 2

Contact hours

Lecture (# of hours): 20
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 20

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: Municipal Systems

Course Description:

This course introduces the student to the different municipal systems that deliver water to, and dispose of water and waste from the private plumbing systems in use today. Course content includes potable water sources, public delivery methods including gravity and pressure. In addition, wastewater collection including grease and hazardous effluent, stormwater conveyance, and disposal, as well as administration, regulation and management of public utilities are covered.

Type of Course: Career Technical Apprenticeship

Reason for the new course:

Updated curriculum to mirror industry demand

Can this course be repeated for credit in a degree?

No

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

No

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

Yes

Name of degree(s) and/or certificate(s): AAS.CONSTRUCTPB, CC.CONSTRUCTPB

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

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

Yes

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

Requirements:

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

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: No

When do you plan to offer this course?

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

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. identify municipal and public systems that deliver water and collect and dispose properly of waste and storm water,
2. read and interpret available technologies and trade blueprints and specifications to install public potable water systems, public storm water, sanitary waste and their component parts safely;
3. develop skills applying industry standards including national and state codes and regulatory requirements for municipal utility systems,
4. demonstrate proper application of national and state standards, plumbing codes and mathematics needed to size pipes, appurtenances and tanks in municipal systems;
5. identify potential dangers using non-potable water systems and how to prevent accidental cross-contamination,
6. analyze data calculating quantity and category of water resources conserved and wastewater hazards mitigated,
7. demonstrate the ability to determine where knowledge of municipal utility systems can best be applied and which systems provide the most effective use of resources.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Public water sources and delivery systems.
2. Public sanitary collection and disposal systems.
3. Storm water collection and disposal systems.
4. Wastewater treatment methods.
5. Storm water quality control methods.

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

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

Percent of course: 100%

First term to be offered:

Next available term after approval

:



December 3, 2021

Course	Current Hours/Credits	Proposed Hours/Credits
APR-109PB	15 LECT/1 Credit	20 LECT/2 Credits

Clackamas Community College

Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Mike

Last Name: Ditty

Phone: 503-740-9787

Email: miked@clackamas.edu

Course Prefix and Number: APR - 109PB

Credits: 2

Contact hours

Lecture (# of hours): 20

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 20

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

Course Title: Plumbing Conservation Systems

Course Description:

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

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

No

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

No

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

Yes

Name of degree(s) and/or certificate(s): AAS.CONSTRUCTPB, CC.CONSTRUCTPB

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

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

Yes

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

Requirements:

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

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: No

When do you plan to offer this course?

✓ **Fall**

✓ **Winter**

✓ **Spring**

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

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

This course does not include assessable General Education outcomes.

Major Topic Outline:

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

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

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

Percent of course: 100%

First term to be offered:

Next available term after approval

:

December 3, 2021

Course Number	Title	Implementation
APR-206PB	Plumbing Gas & Electric	2022/SU

Clackamas Community College
Online Course/Outline Submission System

Date approved: December 7, 2012 Certified General Education Area(s): None

Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Mike

Last Name: Ditty

Phone: 3031

Email: miked

Course Prefix and Number: APR - 106PB

Credits: 1

Contact hours

Lecture (# of hours): 15

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 15

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

Course Title: Solar Thermal Plumbing

Course Description:

Teaches the plumbing apprentice basic skills required to install, service and repair a Solar Thermal plumbing system. The apprentice will have an opportunity to learn methods used by a plumber to trouble shoot a Solar Thermal plumbing system and restore it to working order.

Type of Course: Career Technical Apprenticeship

Reason for the new course:

Coming forward for review, not a new course.

Can this course be repeated for credit in a degree?

No

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

No

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

Yes

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

Are there prerequisites to this course?

Yes

Pre-reqs: Successful completion of 1st and 2nd year plumbing apprenticeship related training

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

No

Are there corequisites to this course?

No

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

No

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

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: Yes

When do you plan to offer this course?

✓ Not every term

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1. install, troubleshoot and repair a Solar Thermal plumbing system in general;
2. recognize materials used to repair such Solar Thermal systems,
3. access, identify and understand codes and manufacturer's documents related to Solar Thermal plumbing systems.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Introduction to Solar Thermal Systems.
2. Introduction to Solar Thermal Systems Components.
3. Introduction to Solar Thermal Systems Hot Water.
4. Solar Thermal System sizing.
5. Solar Thermal System course review and test.

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 | Yes |
| 3. Prevent environmental degradation | No |
| 4. Clean up natural environment | No |
| 5. Supports green services | No |

Percent of course: 100%

First term to be offered:

Next available term after approval

:

Program	Implementation
AAS, Construction Trades, General Apprenticeship (PB)	2022/SU
CC, Construction Trades, General Apprenticeship (PB)	2022/SU



COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

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

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

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

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

College:	Clackamas Community College	Date	
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CAREER LEARNING AREA

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

PROGRAM INFORMATION

<i>APPROVED</i> Program Title <small>(For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)</small>	<i>APPROVED</i> CIP Code <small>(Include 7th & 8th digits used for OCCURS reporting.)</small>			<i>APPROVED</i> Recognition Award	Current Credits
	<i>6-digit CIP</i>	<i>7th digit</i>	<i>8th digit</i>		
Parent Program Construction Trades, General Apprenticeship AAS	46.0000	N	*	<input type="checkbox"/> Statewide AAS (90-108 credits)	90-95
Apprenticeship Areas: Plumber (PB) Painter (PT)	AAS.CONSTRUCTPB AAS.CONSTRUCTPT			<input type="checkbox"/>	
Related Certificates: Construction Trades, General Apprenticeship SCC1 Manual Apprenticeship Trades SCPC				<input type="checkbox"/>	

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

Last amendment approved on 1.15.21

TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

New Program++	Curriculum Revision	<input type="checkbox"/> Revision in Program Credits
Title Change for Program		<i>Proposed Total Credits:</i> 90-97
<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

<i>CURRENT CURRICULUM 21-22</i>				<i>PROPOSED CURRICULUM 22-23</i>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
APR000	Apprenticeship Credit for Prior Certification		22				
APR1000	Computation Related Instruction (except MTH-080)		4-5				
APR2000	Communication Related Instruction		3-4				
APR3000	Human Relations Related Instruction		3-4				
PEHREQ000	PE/Health Related Instruction		1-3				
APRPB000	Apprenticeship-Plumber (PB) SAAS		57	APRPB000	Apprenticeship-Plumber (PB) SAAS		59
APR-109PB	Plumbing Conservation Systems	15	1	APR-109PB	Plumbing Conservation Systems	20	2
APR-117PB	Plumbing Basic Trade & Code	33	3				
APR-127PB	Plumbing Fittings & Materials	33	3				
APR-137PB	Plumbing Basic Installation & ISO	33	3				
APR-147PB	Plumbing Math	33	3				
APR-157PB	Plumbing Pipe Sizing & Advanced Math	33	3				
APR-167PB	Plumbing Welding and Print Reading	33	3				
APR-177PB	Plumbing Related Science	33	3				
APR-187PB	Plumbing Related Codes	33	3				
APR-197PB	Plumbing Backflow Prevention	20	1				
APR-205PB	Service Plumbing	33	3				
APR-206PB	Plumbing Gas & Electric	20	1	REMOVE			
APR-217PB	Advanced Plumbing Installation	33	3				
APR-227PB	Plumbing Gas Venting & Drains	33	3				
APR-237PB	Plumbing Water Heater & Circuit Controls	33	3				
APR-247PB	Advanced Plumbing Code I	33	3				
APR-257PB	Advanced Plumbing Code II	33	3				
APR-267PB	Advanced Plumbing Code III	33	3				
APR-276PB	Plumbing Review I	33	3				
APR-277PB	Plumbing Review II	33	3				
APR-287PB	Plumbing Review III	33	3				
				APR-207PB	Municipal Systems	20	2
APRPT000	Apprenticeship-Painter (PT)		18				
--	Painter (PT) Electives (Any 100-level course or above)		39-34				
APR-119PT	Basic Trade & Safety	33	2				
APR-129PT	Basic Surface & Preparation	33	2				
APR-139PT	Hand & Mechanical Cleaning	33	2				
APR-149PT	Basic Applications	33	2				
APR-159PT	Basic Covering & Problem Solving	33	2				
APR-169PT	Advanced Coating	33	2				
APR-219PT	Advanced Graphics & Texturing	33	2				
APR-229PT	Advanced Techniques	33	2				
APR-239PT	Advanced Estimating & Codes	33	2				

TOTAL CURRENT CREDITS:	90-95	TOTAL PROPOSED CREDITS:	90-97
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College Contact		Telephone No.	
E-Mail Address		Fax No.	
Chief Academic Officer or PTE Dean Signature	<i>Janet K. Rosen</i>		Date 11/2/21

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COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

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

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

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

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

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

Last amendment approved on 04.05.19


TYPE OF PROGRAM AMENDMENT <small>(Check ALL That Apply)</small>		
New Program++ Title Change for Program	Curriculum Revision	<input type="checkbox"/> Revision in Program Credits <i>Proposed Total Credits:</i> 59-62
<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 21-22</i>				<i>PROPOSED CURRICULUM 22-23</i>			
[List entire curriculum as last approved]				[List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
APR1000	Computation Related Instruction		3-4				
APR2000	Communication Related Instruction		3-4				
APR3000	Human Relations Related Instruction		3-4				
APRPB1000	Apprenticeship-Plumber (PB) SSC1		48	APRPB1000	Apprenticeship-Plumber (PB) SSC1		50
APR-109PB	Plumbing Conservation Systems	15	1	APR-109PB	Plumbing Conservation Systems	20	2
APR-117PB	Plumbing Basic Trade & Code	33	3				
APR-127PB	Plumbing Fittings & Materials	33	3				
APR-137PB	Plumbing Basic Installation & ISO	33	3				
APR-147PB	Plumbing Math	33	3				
APR-157PB	Plumbing Pipe Sizing & Advanced Math	33	3				
APR-167PB	Plumbing Welding and Print Reading	33	3				
APR-177PB	Plumbing Related Science	33	3				
APR-187PB	Plumbing Related Codes	33	3				
APR-197PB	Plumbing Backflow Prevention	20	1				
APR-205PB	Service Plumbing	33	3				
APR-206PB	Plumbing Gas & Electric	20	1	REMOVE			
APR-217PB	Advanced Plumbing Installation	33	3				
APR-227PB	Plumbing Gas Venting & Drains	33	3				
APR-237PB	Plumbing Water Heater & Circuit Controls	33	3				
APR-247PB	Advanced Plumbing Code I	33	3				
APR-257PB	Advanced Plumbing Code II	33	3				
APR-267PB	Advanced Plumbing Code III	33	3				
				APR-207PB	Municipal Systems	20	2
TOTAL CURRENT CREDITS:			57-60	TOTAL PROPOSED CREDITS:			59-62

College Contact		Telephone No.	
E-Mail Address		Fax No.	
Chief Academic Officer or PTE Dean Signature		Date	11/2/21

December 3, 2021

Course	Current Hours/Credits	Proposed Hours/Credits
MBC-116	33 LECT/3 Credits	44 LECT/4 Credits
MBC-125	11 LECT, 22 LE/LA/2 Credits	22 LECT/2 Credits

Clackamas Community College

Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: HTHS

Submitter

First Name: Cindy

Last Name: Garner

Phone: (503) 594-0672

Email: cindy.garner@clackamas.edu

Course Prefix and Number: MBC - 116

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: Insurance Billing and Reimbursement II

Course Description:

This course will continue to discuss health insurance and insurance billing, with a focus on healthcare reimbursement. Students will practice the principles of accounts receivable management from claim submission and follow-up to posting payments received. Students will apply payments to patient accounts and track claims for correct payment. Legal and regulatory issues as they pertain to healthcare reimbursement are reviewed as well as the differences in reimbursement methods. Practical application of Insurance billing and Medical coding skills learned throughout the program via examinations and practice scenarios. Required: Student Petition.

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): Medical Billing and Coding Certificate

Are there prerequisites to this course?

Yes

Pre-reqs: MBC-115 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?

Yes

Recommendations:

Requirements: Medical Billing and Coding students only. Student Petition.

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

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: No

When do you plan to offer this course?

✓ **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 claims process from submission to payment,
2. interpret the insurance company reimbursement forms,
3. interpret claim denials and review them for accuracy,
4. discuss claim appeals and when they are appropriate,
5. explain accounts receivable (A/R) management and the revenue cycle, including collections,
6. apply skills learned throughout program to practical applications.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Insurance billing.
2. Accounts receivable and collection concepts.
3. Government carriers (Medicare, Medicaid, Tricare).
4. Blue Cross Blue Shield.
5. Commercial insurance carriers.
6. Workers' compensation.

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

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

Percent of course: 0%

First term to be offered:

Specify term: Spring 2022

Clackamas Community College

Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: HTHS

Submitter

First Name: Cindy
Last Name: Garner
Phone: (503) 594-0672
Email: cindy.garner@clackamas.edu

Course Prefix and Number: MBC - 125

Credits: 2

Contact hours

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

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

Course Title: ICD-10 Coding I

Course Description:

This course will discuss fundamental medical coding skills for professional services, such as physicians, mid-level providers, etc., and how to apply them. The student will be introduced to the basics of diagnostic medical coding related to the International Classification of Diseases, Revision 10-Clinical Modification (ICD-10- CM) Code Set. Required: Student Petition.

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): Medical Billing and Coding Certificate

Are there prerequisites to this course?

Yes

Pre-reqs: MBC-120 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?

Yes

Co-reqs: MBC-126

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

Yes

Recommendations:

Requirements: Medical Billing and Coding students only. Student Petition.

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

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: No

When do you plan to offer this course?

✓ Spring

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1. identify the purpose of the International Classification of Diseases, revision 10-clinical modification (ICD-10-CM) code book;
2. apply the official ICD-10-CM coding guidelines,
3. summarize hierarchical condition categories and the importance of complete and accurate coding,
4. identify and locate the information in appendices of the ICD-10-CM code book,
5. demonstrate the ability to code patient services using the ICD-10-CM code book.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Integumentary system.
2. Musculoskeletal system.
3. Respiratory system.
4. Digestive system.
5. Urinary system and male genital system.
6. Female reproductive system and maternity care & delivery.
7. Endocrine system and nervous system.
8. Special senses (ocular and auditory).

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

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

Percent of course: 0%

First term to be offered:

Specify term: Spring 2022

Course Number	Title	Implementation
MBC-140	Billing and Coding Exam Review	2022/SU

Clackamas Community College
Online Course/Outline Submission System

Date approved: May 3, 2019 Certified General Education Area(s): None

Section #1 General Course Information

Department: HTHS

Submitter

First Name: Cindy

Last Name: Garner

Phone: (503) 594-0672

Email: cindy.garner@clackamas.edu

Course Prefix and Number: MBC - 140

Credits: 1

Contact hours

Lecture (# of hours):

Lec/lab (# of hours):

Lab (# of hours): 30

Total course hours: 30

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

Course Title: Billing and Coding Exam Review

Course Description:

Practical application of Insurance billing and Medical coding skills learned throughout the program via examinations and practice scenarios. Required: Student Petition.

Type of Course: Career Technical Preparatory

Reason for the new course:

New Billing and Coding Program creation.

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): Medical Billing and Coding Certificate

Are there prerequisites to this course?

Yes

Pre-reqs: BA-131, MBC-115, MBC-116, MBC-120, MBC-125, MBC-126, MBC-135, and BI-120 with a C or better.
Prerequisite or Corequisite: COMM-218

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

No

Are there corequisites to this course?

Yes

Co-reqs: MBC-225

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

Yes

Recommendations:

Requirements: Medical Billing and Coding students only. Student Petition.

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

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: No

When do you plan to offer this course?

✓ **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 knowledge of medical billing and coding;
2. apply skills learned throughout program to practical applications.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Apply skills learned throughout program to practical applications.
2. Take practice quizzes to prepare for Certified Professional Biller (CPB) and Certified Professional Coder (CPC) exams.

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

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

Percent of course: 0%

First term to be offered:

Specify term: Spring 2020

Program	Implementation
Medical Billing and Coding CC	2022/SU



COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

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

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

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

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

College:	Clackamas Community College	Date	
-----------------	-----------------------------	-------------	--

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 http://www.ode.state.or.us/search/results/?id=232)</small>	<u>APPROVED</u> CIP Code			<u>APPROVED</u> Recognition Award	Current Credits
	<i>6-digit CIP</i>	<i>7th digit</i>	<i>8th digit</i>		
Parent AAS Title:				<input type="checkbox"/> Associate of Applied Science (AAS) Degree	
Option Title**				<input type="checkbox"/> OPTION to AAS Degree	
Certificate Title: <i>Within</i> AAS Degree? <input checked="" type="checkbox"/> Yes** <input type="checkbox"/> No Medical Billing and Coding CC.MEDBILLCODE	51.0713	J		<input type="checkbox"/> CC0 Certificate (31-44 credits)	37

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

Program approved on 01.24.20

TYPE OF PROGRAM AMENDMENT

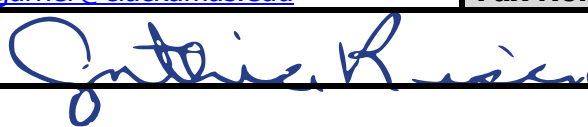
(Check ALL That Apply)

<input type="checkbox"/> New Program++	<input checked="" type="checkbox"/> Curriculum Revision	<input 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>	
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 21-22</i>				<i>PROPOSED CURRICULUM 22-23</i>			
<small>[List entire curriculum as last approved]</small>				<small>[List only course(s) to be amended]</small>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Program Requisites*							
*BI-120	Introduction to Human Anatomy and Physiology	66	4				
MA-110	Medical Terminology	44	4				
WR-121	English Composition	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	33	3	MBC-116	Insurance Billing and Reimbursement II	44	4
MBC-125	ICD-10 Coding I	33	2	MBC-125	ICD-10 Coding I	22	2
MBC-126	CPT/HCPCS Coding I	44	4				
Summer Term							
COMM-218	Interpersonal Communication	44	4				
MBC-140	Billing and Coding Exam Review	30	1	REMOVE			
MBC-225	ICD-10, CPT and HCPCS Coding II	55	5				
Catalog Notes							
*Additional option to meet biology requirement: Complete BI-231, BI-232, and BI-233.							
TOTAL CURRENT CREDITS:			37	TOTAL PROPOSED CREDITS:			

College Contact	Cindy Garner	Telephone No.	0672
E-Mail Address	Cindy.garner@clackamas.edu	Fax No.	n/a
Chief Academic Officer or PTE Dean Signature			Date 11/23/21

Program	Implementation
AA Degree, Oregon Transfer	2022/SU
AA Degree, Oregon Transfer Elementary Education	2022/SU
AA Degree, Transfer English Literature	2022/SU
AS Degree, Transfer Biology	2022/SU
AS, Engineering, George Fox	2022/SU
AS, English, UofO	2022/SU
AS, Music, PSU	2022/SU
AS, Oregon Transfer - Business	2022/SU
AS, Oregon Transfer, Computer Science	2022/SU
Associate of General Studies	2022/SU
Oregon Transfer Module	2022/SU

AA.OREGONTRANSFER

Associate of Arts Oregon Transfer Degree (AAOT)

Requirements

Courses

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

<p>Writing 8 credits, information literacy will be included in the Writing Requirement.</p>	<p>WR-121 and either 122, or 227</p>
<p>Oral Communication - 1 course</p>	<p>COMM-111</p>
<p>Mathematics - 1 course</p>	<p>MTH-105, 111, 112, 211, 212, 213, 243, 244, 251, 252, 253, 254, 256, 261</p>
<p>Health & 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>GENERAL EDUCATION DISTRIBUTION AREA Arts & Letters <ul style="list-style-type: none"> • 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, 218*, 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*, 266, 270, 271*, 272*, 273*, 295*, 296 FR-201*, 202*, 203* GER-201*, 202*, 203* HUM-235*, 237*, 240*, 241*, 242* J-211, 216 MUS-105, 111, 112, 113, 205, 206*, 211, 212, 213 PHL-101*, 102*, 103*, 205*, 210*, 213*, 216* R-101*, 102*, 103*, 204*, 210*, 211*, 212* SPN-201*, 202*, 203* SSC-237* TA-101, 102, 103, 111, 122, 123, 141, 142, 143, 153 WR-240, 241*, 242, 243, 244*, 245, 247, 248, 262, 263, 265, 270 WS-101*</p>
<p>GENERAL EDUCATION DISTRIBUTION AREA Social Science <ul style="list-style-type: none"> • 4 courses from 2 or more disciplines. • Each course must be at least 3 credits. </p>	<p>ANT-101, 102*, 103*, 231*, 232* CJA-101, 201 EC-200, 201, 202 GEO-100*, 110*, 130*, 208* HE-163, 164 HST-101*, 102*, 103*, 130*, 131*, 132*, 136*, 137*, 138*, 201*, 202*, 203* HUM-237* PS-200*, 201, 203, 204, 205, 225, 297 PSY-200, 205*, 215, 219*, 231* SOC-204*, 205*, 206*, 210*, 225* SSC-235*, 237*, 240*, 241*, 242* WS-101*</p>
<p>GENERAL EDUCATION DISTRIBUTION AREA Science/Math/Computer Science <ul style="list-style-type: none"> • 4 courses from at least 2 disciplines including at least 3 laboratory courses in biological and/or physical science. • Each course must be at least 3 credits. </p>	<p>ASC-175, 176, 177 BI-101, 102, 103, 112, 160, 160L, 165C, 165CL, 165D, 175, 176, 177, 204, 211, 212, 213, 231, 232, 233, 234 CH-104, 105, 106, 112, 114, 221, 222, 223 ESR-171, 172, 173 G-101, 102, 103, 148, 201, 202, 203 GS-104, 105, 106, 107 MTH-105, 111, 112, 211, 212, 213, 243, 244, 251, 252, 253, 254, 256, 261 PH-121, 122, 123, 201, 202, 203, 211, 212, 213 Z-201, 202, 203</p>

Cultural Literacy - 1 course	Courses meeting the Cultural Literacy requirement are noted with an asterisk.
Elective Courses Any college-level course that would bring total credits to 90 credits.	Other courses numbered 100 or above may be used in this area, which may include up to 12 credits of career technical courses. Please refer to Elective Course List for AAOT, ASOT-Business, and ASOT-Computer Science, pages 160-161, for a listing of courses that may be included.

** Course meets Cultural Literacy requirement.*

See course descriptions, pages 162-260, for course requisites.

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

AA.OTELEMED

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

Requirements

Courses

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

Writing 8 credits, information literacy will be included in the Writing Requirement.	WR-121 & 122
Oral Communication - 1 course	COMM-111
Mathematics - 3 courses	MTH-211, 212, and 213
Health at least 3 credits.	HPE-295
<p>GENERAL EDUCATION DISTRIBUTION AREA</p> <p>Arts & Letters</p> <ul style="list-style-type: none"> • 3 courses from 2 or more disciplines. • Each course must be at least 3 credits. 	<p>ENG-104, 105 or 106 and ART-115 or 131 and 1 course from the following: (200-level world languages recommended)</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, 218*, 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*, 266, 270, 271*, 272*, 273*, 295*, 296 FR-201*, 202*, 203* GER-201*, 202*, 203* HUM-235*, 237*, 240*, 241*, 242* J-211, 216 MUS-105, 111, 112, 113, 205, 206*, 211, 212, 213 PHL-101*, 102*, 103*, 205*, 210*, 213*, 216* R-101*, 102*, 103*, 204*, 210*, 211*, 212* SPN-201*, 202*, 203* SSC-237* TA-101, 102, 103, 111, 122, 123, 141, 142, 143, 153 WR-240, 241*, 242, 243, 244*, 245, 247, 248, 262, 263, 265, 270 WS-101*</p>
<p>GENERAL EDUCATION DISTRIBUTION AREA</p> <p>Social Science</p> <ul style="list-style-type: none"> • 4 courses from 2 or more disciplines. • Each course must be at least 3 credits. 	<p>HST-201*, 202*, or 203* and ANT-103* or GEO-110* and PS-201 and PSY-200, 205*, or 215</p>

<p>GENERAL EDUCATION DISTRIBUTION AREA</p> <p>Science/Math/Computer Science</p> <ul style="list-style-type: none"> • 3 courses • Each course must be at least 4 credits 	<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>Elementary Education Specific Requirements</p> <p>5 courses</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 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, pages 160-161, for a listing of courses that may be included.</p>

See course descriptions, pages 162-260, for course requisites.

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

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

Requirements

Courses

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

<p>Writing 2 courses, information literacy will be included in the Writing Requirement.</p>	<p>WR-121 and 122</p>
<p>Literature 2 courses</p>	<p>ENG- 201 or 202 and ENG-204, 205, 253 or 254</p>
<p>Mathematics - 1 course not required at PSU for the BA; will count toward UNST placement</p>	<p>MTH-105 or higher</p>
<p>GENERAL EDUCATION DISTRIBUTION AREA</p> <p>Arts & Letters</p> <ul style="list-style-type: none"> • Take two 200-level literature courses • Each course must be at least 3 credits. <p>- 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 & PSU the first course also counts toward major requirements (at PSU up to 12 credits of 200-level English literature can count toward the major) - At EOU and SOU the second course also counts toward major requirements (at PSU up to 12 credits of 200-level English literature can count toward the major)</p>	<p>ENG-201, 202, 204, 205, 213*, 218, 226, 240*, 241*, 250*, 251*, 252*, 253, 254, 255, 260, 261*, 266, 270, 271*, 272*, 273*, 295*, 296</p>
<p>GENERAL EDUCATION DISTRIBUTION AREA</p> <p>Social Science</p> <ul style="list-style-type: none"> • Take 2 courses • Each course must be at least 3 credits. 	<p>ANT-101, 102*, 103*, 231*, 232* CJA-101, 201 EC-200, 201, 202 GEO-100*, 110*, 130*, 208* HE-163, 164 HST-101*, 102*, 103*, 130*, 131*, 132*, 136*, 137*, 138*, 201*, 202*, 203* HUM-237* PS-200*, 201, 203, 204, 205, 225, 297 PSY-200, 205*, 215, 219*, 231* SOC-204*, 205*, 206*, 210*, 225* SSC-235*, 237*, 240*, 241*, 242* WS-101*</p>
<p>GENERAL EDUCATION DISTRIBUTION AREA</p> <p>Natural Science</p> <ul style="list-style-type: none"> • Take 2 lab science courses • Each course must be at least 4 credits. <p>At PSU the second Natural Lab Science course counts towards UNST placement</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 the Cultural Literacy requirement are noted with an asterisk.</p>
<p>World Languages</p>	<p>ASL-203* or FR- 203* or SPN-203*</p>
<p>Elective Courses Any college-level course that would bring total credits to 90 credits. Students should take courses to satisfy their minor of choice that will transfer</p>	<p>Recommended: COMM-111 ENG-104, 105, 106, 116, 121, 130, 194, 195, 230 WR-140, 148, 149, 240, 241*, 242, 243, 244*, 245, 246, 247, 248, 250, 262, 263, 265, 268, 270 Or Any Philosophy (PHL), Music or Theater appreciation (MUS, MUP, TA), US History</p>

<p>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, pages 160-161, for a listing of courses that may be included</p>	<p>(HST), or additional Biological (BI) or Physical Science courses.</p>
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*Course meets Cultural Literacy requirement.
See course descriptions, pages 162-260, for course requisites.
No course may be used to satisfy more than one requirement or distribution area.

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"> • 2 courses • information literacy will be included in the Writing Requirement. • OSU accepts WR-122 and WR-227 but recommends WR-227 • WOU & UO accept WR-122 and WR-227 but recommend WR-122 	<p>WR-121 and WR-122 or -227</p>
<p>Mathematics</p> <ul style="list-style-type: none"> • 2 courses • Students who test out of Math 111 should take Math 112 • Students who test out of Math 112 may substitute a recommended elective with a MTH prefix (see recommended electives listed below). 	<p>MTH-111 and 112</p>
<p>Biology</p> <ul style="list-style-type: none"> • 3 courses • Each course must be at least 4 credits 	<p>BI-211, 212, and 213</p>
<p>Chemistry</p> <ul style="list-style-type: none"> • 3-course sequence with lab • Each course must be at least 4 credits 	<p>CH-221, 222, and 223</p>
<p>Physics/Math/Chemistry</p> <ul style="list-style-type: none"> • 2 Sequences • Strongly recommend seeing an advisor for assistance with choosing sequences that best match your specific academic, pre-professional, and career goals 	<ul style="list-style-type: none"> • PH-201, 202, and 203 or PH-211, 212, and 213 • MTH 251 & 252^{1, 2} • CH-241, 242, and 243^{3, 4} <p>¹ Students transferring to PSU may substitute MTH-243 & MTH-244 for MTH-251 & MTH-252.</p> <p>² 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>³ 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>⁴ 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>GENERAL EDUCATION DISTRIBUTION AREA</p> <p>Arts & Letters</p> <ul style="list-style-type: none"> • 2 courses • Each course must be at least 3 credits 	<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, 218*, 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*, 266, 270, 271*, 272*, 273*, 295*, 296</p> <p>FR-201*, 202*, 203*</p> <p>GER-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>GENERAL EDUCATION DISTRIBUTION AREA</p> <p>Social Science</p> <ul style="list-style-type: none"> • 2 courses • Each course must be at least 3 credits 	<p>ANT-101, 102*, 103*, 231*, 232*</p> <p>CJA-101, 201</p> <p>EC-200, 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>EOU- MTH-243 or an additional Physics, Math, or Chemistry sequence</p> <p>OIT- 4-6 credits social science, 1-3 credits humanities, or 2 credits lower division health biology</p> <p>OSU- COMM-111, 3 credits Fitness, 1 Difference Power and Discrimination course, or an additional sequence from the Physics, Math, or Chemistry area listed above</p> <p>PSU- MTH-243 or an additional sequence from the Physics, Math, or Chemistry area listed above</p> <p>SOU- MTH-243 or an additional sequence from the Physics, Math, or Chemistry area listed above</p> <p>UO- WR-122 or an additional sequence from the Physics, Math, or Chemistry area listed above</p> <p>WOU- WR-122 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, pages 160-161, for a listing of courses that may be included.</p>

* Course meets Cultural Literacy requirement.
 See course descriptions, pages 162-260, for course requisites.

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



COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

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

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

PROGRAM INFORMATION					
<i>APPROVED</i> Program Title	<i>APPROVED</i> CIP Code <small>(Include 7th & 8th digits used for OCCURS reporting.)</small>			<i>APPROVED</i> Recognition Award	Current Credits
	<i>6-digit CIP</i>	<i>7th digit</i>	<i>8th digit</i>		
AS Area of Emphasis Title: Engineering AS.GFENGINEER				Associate of Applied Science Area of Emphasis	101-102
Partnering Institution Name George Fox University					


Last amendment approved on 05.01.2020

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

CURRICULUM AMENDMENT

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

CURRENT CURRICULUM 21-22 [List entire curriculum as last approved]				PROPOSED CURRICULUM 22-23 [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Program Requirements – First Year							
Fall Term							
CH-221	General Chemistry	77	5				
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
WR-121	English Composition	44	4				
Winter Term							
CH-222	General Chemistry	77	5				
ENGR-112	Engineering Programming	33	3				
MTH-252	Calculus II	55	5				
WR-122	English Composition	44	4				
Spring Term							
EC-201 Or EC-202	Principles of Economics: MICRO or Principles of Economics: MACRO	44	4				
ENGR-115	Engineering Graphics	33	3				
MTH-254	Vector Calculus	55	5				
--	Intercultural Experience Elective		4				
Program Requirements – 2nd Year							
Fall Term							
COMM-111	Public Speaking	44	4				
PH-211	General Physics with Calculus	77	5				
--	Engineering Elective		4				
--	History elective		4				
Winter Term							
MTH-256	Differential Equations	44	4				
PH-212	General Physics with Calculus	77	5				
--	Engineering Elective		8				
Spring Term							
MTH-253	Calculus III	55	5				
MTH-261	Linear Algebra	44	4				
PH-213	General Physics with Calculus	77	5				
--	Engineering Elective		3-4				
Electives							
Electrical & Computer Engineering majors:							
ENGR-171	Digital Logic	66	4				
ENGR-221	Electrical Circuit Analysis I	33	4				
ENGR-222	Electrical Circuit Analysis II	66	4				
ENGR-271	Digital Systems	66	4				
Biomedical, Civil, and Mechanical Engineering majors:							
ENGR-211	Statics	44	4				
ENGR-212	Dynamics	44	4				
ENGR-231	Properties of Materials	66	4				
HPE-295	Health & Fitness for Life	60	3				

Intercultural Experience Elective:			
ANT-103; COMM-140; ENG-107, 108, 109; FR-101, 102, 103, 201, 202, 203; GER-101, 102, 103, 201, 202, 203; R-210; SPN-101, 102, 103, 201, 202, 203;	ANT-103; COMM-140; ENG-107, 108, 109; FR-101, 102, 103, 201, 202, 203; GER-101, 102, 103, 201, 202, 203 ; R-210; SPN-101, 102, 103, 201, 202, 203;		
History Elective:			
HST-101, 102, 103, 201, 202, 203; PS-205;			
TOTAL CURRENT CREDITS:	101-102	TOTAL PROPOSED CREDITS:	
College Contact		Telephone No.	
E-Mail Address		Fax No.	
Chief Academic Officer or CTE Dean Signature			Date 11/10/21



COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

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

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

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

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

Last amendment approved on 02.07.2020

TYPE OF PROGRAM AMENDMENT <small>(Check ALL That Apply)</small>			
<input type="checkbox"/> New Agreement	<input type="checkbox"/> Curriculum Revision	<input type="checkbox"/> Revision in Program Credits	
		<i>Proposed Total Credits:</i>	91-96
<input type="checkbox"/> SUSPENSION of Program	<i>Reason for Suspension:</i>		
Suspension Effective Date:			

CURRICULUM AMENDMENT

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

CURRENT CURRICULUM 21-22 [List entire curriculum as last approved]				PROPOSED CURRICULUM 22-23 [List only course(s) to be amended]			
Course Number	Course Title	Clock Hours	Credits	Course Number	Course Title	Clock Hours	Credits
Program Requirements – First Year							
Fall Term							
ASL-101 or FR-101 or SPN-101	American Sign Language I or First-Year French I or First-Year Spanish I	44	4				
MTH-105 Or 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				
WR-121	English Composition	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				
PSY-110 Or --	Psychology: An Overview Or Social Science Elective		3-5	--	Social Science Elective		3-4
WR-122	English Composition	44	4				
Spring Term							
ASL-103 or FR-103 or SPN-103	American Sign Language or First-Year French III or First-Year Spanish III	44	4				
ESR-173 Or --	Environmental Science Or Science Elective		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		3-5	HST-103 Or --	History of Western Civilization Or Social Science Elective		3-4
Social Science Elective							
ANT-102, 103, 231, 232; EC-201, 202; GEO-110, 208; HST-101, 102, 103, 131, 132, 136, 137, 138, 201, 202, 203; PS-200, 201, 203, 204, 205; PSY-101, 110, 205, 215, 219, 231; SSC-160, 235, 240; SOC-204, 205, 206, 210, 225; WS-101;				ANT-231, PSY-110 scheduled for inactivation 06.30.22			
Other Science Electives							
ANT-101; BI-101, 102, 103, 112, 160L, 165CL, 204, 211, 212, 213, 231, 232, 233, 234; CH-104, 105, 106, 112, 150, 221, 222, 223, 241, 242, 243; ESR-171, 172, 173; G-101, 102, 103, 145, 148, 201, 202, 203; PH-121, 122, 123, 201, 202, 203, 211, 212, 213; PSY-200; Z-201, 202, 203;							
English Program Electives							
ENG-104*, 105*, 106*, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 213, 218, 225, 226, 230, 240, 241, 250, 251, 252, 255, 260, 261, 266, 295; *Only one selection from ENG-104, -105, and -106 will count for credit at UO.				ENG-266 scheduled for inactivation 06.30.22			
General Elective							
Any other minimum 4-credit transferable course except prefix PE or HPE that is not already part of the degree requirements							
Arts & Letters Options							
Minimum 4 credits per term WR-240, 241, 242, 243, 244, 245, 246, 262, 263, 265; Or other Arts & Letters courses as listed in the CCC Catalog							
TOTAL CURRENT CREDITS:			91-98	TOTAL PROPOSED CREDITS:			91-96

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



COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

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

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

PROGRAM INFORMATION					
<i>APPROVED</i> Program Title	<i>APPROVED</i> CIP Code <small>(Include 7th & 8th digits used for OCCURS reporting.)</small>			<i>APPROVED</i> Recognition Award	Current Credits
	<i>6-digit CIP</i>	<i>7th digit</i>	<i>8th digit</i>		
AS Area of Emphasis Title: Music AS.PSUMUSIC				Associate of Applied Science Area of Emphasis	100-107
Partnering Institution Name Portland State University					

Last amendment approved on 01.29.21

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

CURRICULUM AMENDMENT

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

CURRENT CURRICULUM 21-22 [List entire curriculum as last approved]								PROPOSED CURRICULUM 22-23 [List only course(s) to be amended]							
Course Number		Course Title		Clock Hours		Credits		Course Number		Course Title		Clock Hours		Credits	
Program Requirements – First Year															
Fall Term															
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									
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									
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		Individual Lessons or		20		2									

Or MUP-171J- 191J	Individual Lessons/Jazz						
MUS-113	Music Theory I	33	3				
MUS-113L	Music Notation Software I	22	1				
MUS-116	Aural Skills I	22	2				
MUS-129	Keyboard Skills I	22	2				
MUS-189	Performance & Repertoire	10	1				
WR-122	English Composition	44	4				
Program Requirements – Second Year							
Fall Term							
MUP-202 Or MUP-205 or MUP-222 or MUP-241	Wind Ensemble or Jazz Ensemble or Chamber Choir or College Orchestra	44-55	1-2				
*MUP-271- 291 Or MUP-271J- 291J	Individual Lessons or Individual Lessons/Jazz	20	2				
MUS-189	Performance & Repertoire	10	1				
MUS-211	Music Theory II	33	3				
MUS-214	Keyboard Skills II	22	2				
MUS-224	Aural Skills II	22	2				--
--	Arts & Letters General Education elective		4				
Winter Term							
MUP-202 Or MUP-205 or MUP-222 or MUP-241	Wind Ensemble or Jazz Ensemble or Chamber Choir or College Orchestra	44-55	1-2				
*MUP-271- 291 Or MUP-271J- 291J	Individual Lessons or Individual Lessons/Jazz	20	2				
MUS-189	Performance & Repertoire	10	1				
MUS-212	Music Theory II	33	3				
MUS-215	Keyboard Skills II	22	2				
MUS-225	Aural Skills II	22	2				
--	Social Science General Education elective		4				
--	Science/Math/Computer Science General Education elective		3				
Spring Term							
MUP-202 Or MUP-205 or MUP-222 or MUP-241	Wind Ensemble or Jazz Ensemble or Chamber Choir or College Orchestra	44-55	1-2				
*MUP-271- 291 Or MUP-271J- 291J	Individual Lessons or Individual Lessons/Jazz	20	2				
MUS-189	Performance & Repertoire	10	1				

MUS-213	Music Theory II	33	3				
MUS-216	Keyboard Skills II	22	2				
MUS-226	Aural Skills II	22	2				
--	Arts & Letters General Education elective		4				
--	Science/Math/Computer Science General Education elective		4				

Catalog Notes

*Lessons must be in same instrument discipline, but may be in different styles.
 Note: For students pursuing a jazz degree, MUP-104 Jazz Combo may be substituted for MUS-189.

Arts & Letters General Education Electives

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; ASL-201, 202, 203; BA-130; COMM-126, 140, 212, 218, 219, 227; ENG-104, 105, 106, 107, 108, 109, 116, 121, 130, 195, 201, 202, 204, 205, 213, 218, 226, 240, 241, 250, 251, 252, 253, 254, 266, 270; FR-201, 202, 203, 211; GER-201, 202, 203; HUM-160, 235, 240, 241, 242; J-211; MUS-105, 111, 112, 113, 205, 206, 211, 212, 213; PHL-101, 102, 103, 205, 210; SPN-201, 202, 203; TA-101, 102, 103, 141, 142, 143; WR-241, 242, 243, 244, 245, 248, 262, 263, 265, 270;	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; ASL-201, 202, 203; BA-130; COMM-126, 140, 212, 218, 219, 227; ENG-104, 105, 106, 107, 108, 109, 116, 121, 130, 195, 201, 202, 204, 205, 213, 218, 226, 240, 241, 250, 251, 252, 253, 254, 266, 270; FR-201, 202, 203, 211; GER-201, 202, 203; HUM-160, 235, 240, 241, 242; J-211; MUS-105, 111, 112, 113, 205, 206, 211, 212, 213; PHL-101, 102, 103, 205, 210; SPN-201, 202, 203; TA-101, 102, 103, 141, 142, 143; WR-241, 242, 243, 244, 245, 248, 262, 263, 265, 270;
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Social Science General Education Electives

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

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-211, 212, 213, 243, 244, 252*, 253, 254, 256, 261; PH-121, 122, 123, 201, 202, 203, 211, 212, 213; Z-201, 202, 203;	
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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.

TOTAL CURRENT CREDITS:	100-107	TOTAL PROPOSED CREDITS:	
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College Contact		Telephone No.	
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E-Mail Address		Fax No.	
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Chief Academic Officer or CTE Dean Signature		Date	11/23/21
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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>Writing 8 credits, information literacy will be included in the Writing Requirement.</p>	<p>WR-121 and either 122, or 227</p>
<p>Oral Communication 1 course</p>	<p>COMM-111</p>
<p>Mathematics Minimum of 3 courses, including one course of statistics</p>	<p>MTH-111 or higher, 4 credits of statistics (MTH-243 or MTH-244) are required.</p>
<p>Cultural Literacy</p> <ul style="list-style-type: none"> • 1 course • Each course must be at least 3 credits. 	<p>Courses meeting the Cultural Literacy requirement are noted with an asterisk.</p>
<p>GENERAL EDUCATION DISTRIBUTION AREA</p> <p>Arts & Letters</p> <ul style="list-style-type: none"> • 3 courses from 2 or more disciplines. • Each course must be at least 3 credits. 	<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, 218*, 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*, 266, 270, 271*, 272*, 273*, 295*, 296 FR-201*, 202*, 203* GER-201*, 202*, 203* HUM-235*, 237*, 240*, 241*, 242* J-211, 216 MUS-105, 111, 112, 113, 205, 206*, 211, 212, 213 PHL-101*, 102*, 103*, 205*, 210*, 213*, 216* R-101*, 102*, 103*, 204*, 210*, 211*, 212* SPN-201*, 202*, 203* SSC-237* TA-101, 102, 103, 111, 122, 123, 141, 142, 143, 153 WR-240, 241*, 242, 243, 244*, 245, 247, 248, 262, 263, 265, 270 WS-101*</p>
<p>GENERAL EDUCATION DISTRIBUTION AREA</p> <p>Social Science</p> <ul style="list-style-type: none"> • 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>EC-201 and EC-202 and courses from the following list: ANT-101, 102*, 103*, 231*, 232* CIA-101, 201 EC-200, 201, 202 GEO-100*, 110*, 130*, 208* HE-163, 164 HST-101*, 102*, 103*, 130*, 131*, 132*, 136*, 137*, 138*, 201*, 202*, 203* HUM-237* PS-200*, 201, 203, 204, 205, 225, 297 PSY-200, 205*, 215, 219*, 231* SOC-204*, 205*, 206*, 210*, 225* SSC-235*, 237*, 240*, 241*, 242* WS-101*</p>

<p>GENERAL EDUCATION DISTRIBUTION AREA</p> <p>Science</p> <ul style="list-style-type: none"> • 4 courses from at least 2 disciplines including at least 3 laboratory courses in biological and/or physical science. • Minimum of 12 credits of laboratory science required. • Each course must be at least 3 credits. 	<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>Business Specific Minimum 20 credits, with a grade of C or better</p>	<p>BA-101, 131, 211, 213 and 226</p>
<p>Elective and/or University Specific Requirements</p>	<p>Determined by choice of transfer institution. Please contact your transfer advisor for assistance. Other courses numbered 100 or above may be used in this area, which may include up to 12 credits of career technical courses. Please refer to Elective Course List for AAOT, ASOT-Business, and ASOT-Computer Science, pages 160-161, for a listing of courses that may be included.</p>

* Course meets Cultural Literacy requirement.

See course descriptions, pages 162-260, for course requisites.

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

AS.OTCOMPSCIENCE
Associate of Science Oregon Transfer Degree – Computer Science
(ASOT–Computer Science)

Requirements

Courses

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

<p>Writing 8 credits, information literacy will be included in the Writing Requirement.</p>	<p>WR-121, and either 122 or 227</p>
<p>Oral Communication - 1 course</p>	<p>COMM-111</p>
<p>Mathematics - 2 courses</p>	<p>MTH-251 and MTH-252.</p>
<p>Health/Wellness/Fitness 1 or more HE, HPE or PE courses totaling at least 3 credits.</p>	<p>PE-185, 194, 240, 260, 270, 294, 294A HE-201, 202, 204, 205, 207, 223, 249, 250, 252, 261 HPE-295</p>
<p>GENERAL EDUCATION DISTRIBUTION AREA</p> <p>Arts & Letters</p> <ul style="list-style-type: none"> • 3 courses from 2 or more disciplines. • Each course must be at least 3 credits. 	<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, 218*, 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*, 266, 270, 271*, 272*, 273*, 295*, 296 FR-201*, 202*, 203* GER-201*, 202*, 203* HUM-235*, 237*, 240*, 241*, 242* J-211, 216 MUS-105, 111, 112, 113, 205, 206*, 211, 212, 213 PHL-101*, 102*, 103*, 205*, 210*, 213*, 216* R-101*, 102*, 103*, 204*, 210*, 211*, 212* SPN-201*, 202*, 203* SSC-237* TA-101, 102, 103, 111, 122, 123, 141, 142, 143, 153 WR-240, 241*, 242, 243, 244*, 245, 247, 248, 262, 263, 265, 270 WS-101*</p>
<p>GENERAL EDUCATION DISTRIBUTION AREA</p> <p>Social Science</p> <ul style="list-style-type: none"> • 4 courses from 2 or more disciplines. • Each course must be at least 3 credits. 	<p>ANT-101, 102*, 103*, 231*, 232* CIA-101, 201 EC-200, 201, 202 GEO-100*, 110*, 130*, 208* HE-163, 164 HST-101*, 102*, 103*, 130*, 131*, 132*, 136*, 137*, 138*, 201*, 202*, 203* HUM-237* PS-200*, 201, 203, 204, 205, 225, 297 PSY-200, 205*, 215, 219*, 231* SOC-204*, 205*, 206*, 210*, 225* SSC-235*, 237*, 240*, 241*, 242* WS-101*</p>

<p>GENERAL EDUCATION DISTRIBUTION AREA</p> <p>Science/Math/Computer Science</p> <ul style="list-style-type: none"> • 4 courses from at least 2 disciplines, including at least 3 lab courses in biological or physical science. • Each course must be at least 3 credits. 	<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-105, 111, 112, 211, 212, 213, 243, 244, 251, 252, 253, 254, 256, 261 PH-121, 122, 123, 201, 202, 203, 211, 212, 213 Z-201, 202, 203</p>
<p>Cultural Literacy - 1 course</p> <ul style="list-style-type: none"> • Each course must be at least 3 credits. 	<p>Courses meeting the Cultural Literacy requirement are noted with an asterisk.</p>
<p>Computer Science Specific Requirements</p> <ul style="list-style-type: none"> • 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>CS-160, CS-161, CS-162, CS-260</p>
<p>Elective and/or University Specific Requirements</p>	<p>Determined by choice of transfer institution. Contact your transfer advisor for assistance. Other courses numbered 100 or above may be used in this area, which may include up to 12 credits of career technical courses. Please refer to Elective Course List for AAOT, ASOT-Business, and ASOT-Computer Science, pages 160-161 for a listing of courses that may be included.</p>

See course descriptions, pages 162-260 for course requisites.

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

AGS.GENERAL

Associate of General Studies Degree (AGS)

Requirements	Credit/Courses Required
Writing - 1 course	WR-121
Communication - 1 course	COMM-100, 111, 112, 126, 140, 212, 218, 219, 227
Mathematics - 1 course	MTH-065, 080, 095, 098, 105 or higher
Health & Physical Education - 1 course	Any 100-level course or above with an HE, HPE or PE prefix or MFG-107
Arts & Letters - 4 credits	ART-101, 115, 117, 131, 204, 205, 206, 232, 233, 250, 251, 252, 253, 254, 255, 257, 281, 282, 283, 284, 285, 286, 291, 292, 293 ASL-201, 202, 203 BA-130 COMM-112, 126, 140, 212, 218, 219, 227 ENG-104, 105, 106, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 204, 205, 213, 218, 226, 240, 241, 250, 251, 252, 253, 254, 255, 260, 261, 266 , 270, 271, 272, 273, 295, 296 FR-201, 202, 203 GER-201, 202, 203 HUM-235, 237, 240, 241, 242 J-211, 216 MUS-105, 111, 112, 113, 205, 206, 211, 212, 213 PHL-101, 102, 103, 205, 210, 213, 216 R-101, 102, 103, 204, 210, 211, 212 SPN-201, 202, 203 SSC-237 TA-101, 102, 103, 111, 122, 123, 141, 142, 143, 153 WR-240, 241, 242, 243, 244, 245, 247, 248, 262, 263, 265, 270 WS-101
Social Science - 4 credits	ANT-101, 102, 103, 231 , 232 CIA-101, 201 EC- 200 , 201, 202 GEO-100, 110, 130, 208 HE-163, 164 HST-101, 102, 103, 130, 131, 132, 136, 137, 138, 201, 202, 203 HUM-237 PS-200, 201, 203, 204, 205, 225, 297 PSY-200, 205, 215, 219, 231 SOC-204, 205, 206, 210, 225 SSC-235, 237, 240, 241, 242 WS-101
Science/Math/Computer Science - 4 credits	ASC-175, 176, 177 BI-101, 102, 103, 112, 160, 160L, 165C, 165CL, 165D, 175, 176, 177, 204, 211, 212, 213, 231, 232, 233, 234 CH-104, 105, 106, 112, 114, 221, 222, 223 ESR-171, 172, 173 G-101, 102, 103, 148, 201, 202, 203 GS-104, 105, 106, 107 MTH-105, 111, 112, 211, 212, 213, 243, 244, 251, 252, 253, 254, 256, 261 PH-121, 122, 123, 201, 202, 203, 211, 212, 213 Z-201, 202, 203
Other College-level Courses - Any course numbered 100 or above that would bring total credits to 90.	Additional college-level coursework (100 number or above) not already used to satisfy any of the above requirements, to reach total minimum of 90 credits
90 credits	

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.

See page 46 additional information on general requirements for graduation

NA.OTM
Oregon Transfer Module (OTM)

	Requirements	Courses
Foundational Skills Introduction to Disciplines	Writing - 2 courses, information literacy will be included in the Writing Requirement.	WR-121 and either 122, or 227
	Oral Communication - 1 course	COMM-111
	Mathematics - 1 course	MTH-105, 111, 112, 211, 212, 213, 251
	Arts & Letters - 3 courses	ART-101, 115, 117, 131, 204, 205, 206, 232, 233, 250, 251, 252, 253, 254, 255, 257, 281, 282, 283, 284, 285, 286, 291, 292, 293 ASL-201, 202, 203 BA-130 COMM-112, 126, 140, 212, 218, 219, 227 ENG-104, 105, 106, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 204, 205, 213, 218, 226, 240, 241, 250, 251, 252, 253, 254, 255, 260, 261, 266 , 270, 271, 272, 273, 295, 296 FR-201, 202, 203 GER-201, 202, 203 HUM-235, 237, 240, 241, 242 J-211, 216 MUS-105, 111, 112, 113, 205, 206, 211, 212, 213 PHL-101, 102, 103, 205, 210, 213, 216 R-101, 102, 103, 204, 210, 211, 212 SPN-201, 202, 203 SSC-237 TA-101, 102, 103, 111, 122, 123, 141, 142, 143, 153 WR-240, 241, 242, 243, 244, 245, 247, 248, 262, 263, 265, 270 WS-101
	Social Science - 3 courses	ANT-101, 102, 103, 231 , 232 CJA-101, 201 EC- 200 , 201, 202 GEO-100, 110, 130, 208 HE-163, 164 HST-101, 102, 103, 130, 131, 132, 136, 137, 138, 201, 202, 203 HUM-237 PS-200, 201, 203, 204, 205, 225, 297 PSY-200, 205, 215, 219, 231 SOC-204, 205, 206, 210, 225 SSC-235, 237, 240, 241, 242 WS-101
	Science/Math/Computer Science 3 courses, including at least 1 biological or physical science with a lab.	ASC-175, 176, 177 BI-101, 102, 103, 112, 160, 160L, 165C, 165CL, 165D, 175, 176, 177, 204, 211, 212, 213, 231, 232, 233, 234 CH-104, 105, 106, 112, 114, 221, 222, 223 ESR-171, 172, 173 G-101, 102, 103, 148, 201, 202, 203 GS-104, 105, 106, 107 MTH-105, 111, 112, 211, 212, 213, 243, 244, 251, 252, 253, 254, 256, 261 PH-121, 122, 123, 201, 202, 203, 211, 212, 213 Z-201, 202, 203
	Elective Courses Combined with above must equal at least 45 credits.	Courses must be from Arts & Letters, Social Science, or Science/Math/Computer Science disciplines above.

Notes:

1. All courses must be 100 level or higher.
2. All courses must be at least 3 credits.
3. All courses must be passed with a grade of "C" or better.
4. Students must have a minimum cumulative GPA of 2.0 at the time the module is posted.
5. No course may be used to satisfy more than one requirement or distribution area.