Curriculum Committee Agenda

April 4, 2025 (8-9:30am)

	Presenter	Action
1. Welcome	**Chair**	
2. Approval of Minutes	**Chair**	Approval
3. Consent Agenda a. Course Number Changes b. Course Title Change c. Reviewed Outlines for Approval	**Chair**	Approval
4. Course and Program Approvals		
a. **IDTD Amendments**	**Craig Connors**	
a. Energy Systems Maintenance CC		Approval/25.SU
b. Renewable Energy Technology AAS		Approval/25.SU
c. Renewable Energy Technology CC		Approval/25.SU
b. **HE-280 Course Inactivation**	**Curriculum Office**	Approval/25.SU
c. **MTH-108**		
a. **Related Instruction**	**Kelly Mercer**	Approval/25.SU
b. **General Education**	**Kelly Mercer**	Approval/25.SU
c. **Amendments**	**Curriculum Office**	Approval/25.SU
i. Oregon Transfer Module, Associate of Arts Oregon Transfer, Associate of General Studies		
d. **Common Course Numbering (CCN)**		
a. **CCN Courses**	**Curriculum Office**	Approval/25.SU
i. BA-169Z, BA-226Z, BI-221Z, BI-222Z, BI-223Z, CH-221Z, CH-222Z, CH-223Z, CH-227Z, CH-228Z, CH-229Z, EC-201Z, EC-202Z, MTH-251Z, MTH-252Z, MTH-253Z, SOC-204Z, SOC-205Z, SOC-206Z		
b. **CCN-Related Course Changes**	**Curriculum Office**	Approval/25.SU
c. **CCN Program Amendments**	**Curriculum Office**	Approval/25.SU
5. Old Business a.		
6. New Business a.		
7. Closing Comments		

Curriculum Committee Minutes

March 21, 2025 (8-9:30am)

Present: Keely Baca, Dustin Bare, Elizabeth Carney, Virginia Chambers, Juan Cortes, Ephanie Debey, Megan Feagles (Recorder), Erin Gravelle, Jordan Gulley, Dawn Hendricks, Kari Hiatt, Frank Kilders, Kara Leonard, Mike Mattson, Kelly Mercer (Co-Chair), Deanna Myers, Carrie Sandberg, Charles Siegfried, April Smith, Aundrea Snitker, Sarah Steidl, Dru Urbassik
Guests: Rich Albers
Absent: ASG, Nora Brodnicki (Co-Chair), Armetta Burney, Debra Carino, Amanda Coffey, SD DeWaay, Sue Goff, Danielle Hoffman, Eric Lee, Gentiana Loeffler, Tracy Nelson, David Plotkin, Lisa Reynolds, Ashley Sears, AJ Smith, Chris Sweet, Wryann Van Riper

---

1. **Welcome**

2. **Approval of Minutes**
   a. Approval of the March 7, 2025 minutes
   Motion to approve, approved

3. **Consent Agenda**
   a. Course Number Changes
   b. Course Title Change
   c. Reviewed Outlines for Approval
   Motion to approve, approved

4. **Course and Program Approvals**
   a. **New Course – CS-170**
      a. Rich Albers presented
      b. Python has become one of the most popular programming languages and is in high demand for web development, app development, data science, and AI, so it's in and Computer Science student's interest to be familiar with the language.
      Motion to approve, approved

   b. **HP-100 Related Instruction**
      a. The Related Instruction Review Team recommends HP-100 be approved as a Related Instruction course in the Physical Education/Health/Safety/First Aid area.
      Motion to approve, approved

   c. **Nursing (RN) AAS Amendment**
      a. Virginia Chambers presented
      b. Adding HP-100 as an option to PE-185 for the PE/Health Related Instruction for the program.
      Motion to approve, approved

   d. **New Program – Core Transfer Map**
      a. Dru Urbassik and Sarah Steidl presented
      b. It is a requirement of Oregon SB233 for public post-secondary institutions to award and transcript the Core Transfer Map (CTM).
      c. A Core Transfer Map (roughly 30 credits) is part of each Major Transfer Map (typically 90 credits).
      d. If a student successfully completes a Core Transfer Map, all of the credits from that Map are guaranteed to transfer to any Oregon public university and count toward its core bachelor's degree requirements.
      e. Cultural Literacy needs to be added.
      Motion to approve, approved

5. **Old Business**
   a.
6. **New Business**
   a.
7. **Closing Comments**

-Meeting Adjourned-

Next Meeting: April 4, 2025 (8-9:30am)

Clackamas Community College

CONSENT AGENDA

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
MTH-244	Statistics II	2025/SU
PE-240	Strength & Conditioning Theory & Techniques	2025/SU

Course Change Request

Date Submitted: 03/20/25 5:33 pm

Viewing: MTH-244 : Statistics II

Last approved: 11/07/23 5:03 am

Last edit: 03/20/25 5:33 pm

Changes proposed by: Kelly Mercer (kelly.mercer)

Catalog Pages referencing this course

- Math Course Pathways and Prerequisites
- Mathematics (MTH)

Programs referencing this course

- AS.PSUMUSIC: AS, Music, PSU
- AS.TBIOLOGY: Biology (AST)
- NA.OTM: Oregon Transfer Module
- AS.PSUBIOLOGY: AS, Biology, PSU
- NA.CTM: Core Transfer Map
- AA.OREGONTRANSFER: Associate of Arts Oregon Transfer (AAOT)
- AGS.GENERAL: Associate of General Studies

Credits/Hours/Instructional Method Change

Is Topic Shell Course?

In Workflow

1. **Curriculum Office**
2. **DAFC Curriculum Committee Outline Review Team**
3. **Curriculum Office**
4. Curriculum Committee Approval
5. Colleague

Approval Path

1. 03/21/25 6:43 am Megan Feagles (megan.feagles): Approved for Curriculum Office
2. 03/27/25 2:06 pm Juan Cortes (juan.cortes): Approved for DAFC Curriculum Committee Outline Review Team

History

1. Nov 7, 2023 by Megan Feagles (megan.feagles)

Are you the Faculty Contact Person?	Yes
Course Prefix	MTH - Mathematics
Course Number	244
Department	Mathematics
Division	Academic Foundations and Connections (AFAC)
Course Title	Statistics II

Grading

Grade Scheme	Standard (STND)
Credit Type	Credit Course
Allow Pass/No Pass	Yes
Only Pass/No Pass	No
Audit	Yes
Min Credit	4.00
Variable Credit	No

Contact hours

Lecture	44.00
Lec/Lab	
Lab	
Activity	
Clinical	
Field	
CWE Seminar	
CPR	
Seminar	
Community Education/Drivers	

Ed

Community Education/Adult

Total 44

Proposed Effective Term Summer 2025

I acknowledge that this course, for the average student, will be a time commitment of 3 hours per week per credit in combination of in-class and out-of-class activity.

Yes

Course Description

The tools learned in Statistics I are purposed for inference of data via the use of hypothesis tests and confidence intervals for both one and two populations, linear regression, and chi-square tests.

Type of Course (ACTI Code)

100 - Lower Division Collegiate

Select at least one of the following:

Discipline Studies

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Course Requisites

Required

Prerequisites

STAT-243Z with a C or better

Corequisites

Prerequisites or Corequisites

Recommended

Prerequisites

WRD-098 or placement in WR-121Z

Corequisites

Prerequisites or Corequisites

Non-Course Requisites

Required

Recommended

Is Student Petition required?

No

Show course in Schedule: Print in Schedule

Hide course in catalog

No

When do you plan to offer this course?

Summer/Winter/Spring

~~Summer/Fall/Winter/Spring~~

Will this class use library resources?

No

Course Certifications

Is this a Related Instruction course?

Yes

Related Instruction Area: Computation

Are you going to seek General Education Certification after course approval?

Yes

General Education Outcome(s)

Mathematics

Equivalent Courses

Equivalent Active Courses

Equivalent Inactive Courses

Student Learning Outcomes

Student Learning Outcomes

	Upon successful completion of this course, students should be able to:
1	analyze raw and summarized data to make inferences, then use these inferences to inform and build knowledge with others; (MA1)
2	identify appropriate techniques of inference for an array of complex situations; (MA1)
3	confidently engage with scenarios involving data, their graphical representations, and implications; (MA2)
4	construct viable arguments about inference and critique the reasoning of others. (MA2)

AAOT/ASOT General Education Outcomes Course Outline Mapping Chart

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

WR: Writing Outcomes

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

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

Demonstrate appropriate reasoning in response to complex issues.

SP: Speech/Oral Communication Outcomes

Engage in ethical communication processes that accomplish goals.

Respond to the needs of diverse audiences and contexts.

Build and manage relationships.

Outcome Assessment Strategies

Outcomes Assessment Strategies

Presentations
Projects
Writing Assignments

Major Topic Outline

1.Estimating Proportions using Confidence Intervals a. Overview of Confidence Intervals b. Finding a Confidence Interval for a Population Proportion c. Confidence Interval for the Difference in Two Population Proportions d. Using Confidence Intervals in Decision-Making 2. Estimating Means using Confidence Intervals a. Finding a Confidence Interval for a Population Mean b. Studentized vs Normalized Critical Values c. Confidence Intervals for the Population Mean of Paired Differences d. Confidence Interval for the Difference in Two Population Means e. Understanding Any Confidence Interval 3. An Overview of Hypothesis Testing a. History of Hypothesis Test b. The Meaning of the p-Value c. The Meaning of the Critical Value d.

Studentized vs Normalized Critical Values e. Statistical Significance f. Type I and II Errors g. Special Concerns for Hypothesis Testing: Sample Size, Statistical Significance, and Practical Importance h. The Relationship Between Significance Tests and Confidence Intervals i. Choosing an Appropriate Inference Procedure 4. Hypothesis Tests for Population Proportions a. Testing Hypotheses about a Population Proportion b. Testing Hypotheses about the Difference in Two Population Proportions c. Inference of Given Data in Context 5. Hypothesis Tests for Population Means a. Testing Hypotheses about one Population Mean b. Testing Hypotheses about the Population Mean of Paired Differences c. Hypothesis Testing about the Difference in Two Population Means d. Inference of Given Data in Context 6. Linear Regression a. Scatterplots b. Regression Lines c. Correlation d. Correlation vs Causation e. Sample and Population Regression Models f. Inference about the Slope of a Linear Regression in context 7. Chi-Square Methods for Inference a. The Chi-Square Test b. Testing for Homogeneity of Proportions and for Independence c. Fisher's Exact Test for Two-Way Tables d. Testing for Goodness-of-Fit

Green Course Management

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

Increased Energy Efficiency

No

Produce Renewable Energy

No

Prevent Environmental Degradation

No

Clean up Natural Environment

No

Supports Green Services

No

Percent of Course 0

Course Transferability

OUS school to which the course will transfer

EOU - Eastern Oregon University

Comparable course(s)

PSU: STAT244 UO: MATH243 OSU: ST202 EOU: STAT LDT OIT: MASC000 (Elective) SOU: MTH243 WOU: MTH2XX (LD Elective)

How does it transfer?

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

Evidence of transferability

Other. Please explain.

Explanation of other evidence of transferability

Course equivalency guides on institution sites

OUS school to which the course will transfer

OSU - Oregon State University

Comparable course(s)

PSU: STAT244 UO: MATH243 OSU: ST202 EOU: STAT LDT OIT: MASC000 (Elective) SOU: MTH243 WOU: MTH2XX (LD Elective)

How does it transfer?

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

Evidence of transferability

Other. Please explain.

Explanation of other evidence of transferability

Course equivalency guides on institution sites

OUS school to which the course will transfer

OSU-C - OSU-Cascade

Comparable
course(s)

PSU: STAT244 UO: MATH243 OSU: ST202 EOU: STAT LDT OIT: MASC000 (Elective) SOU: MTH243
WOU: MTH2XX (LD Elective)

How does it transfer?

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

Evidence of transferability

Other. Please explain.

Explanation of other evidence of transferability

Course equivalency guides on institution sites

OUS school to which the course will transfer

PSU - Portland State University

Comparable
course(s)

PSU: STAT244 UO: MATH243 OSU: ST202 EOU: STAT LDT OIT: MASC000 (Elective) SOU: MTH243
WOU: MTH2XX (LD Elective)

How does it transfer?

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

Evidence of transferability

Other. Please explain.

Explanation of other evidence of transferability

Course equivalency guides on institution sites

OUS school to which the course will transfer

SOU - Southern Oregon University

Comparable
course(s)

PSU: STAT244 UO: MATH243 OSU: ST202 EOU: STAT LDT OIT: MASC000 (Elective) SOU: MTH243 WOU: MTH2XX (LD Elective)

How does it transfer?

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

Evidence of transferability

- Other. Please explain.

Explanation of other evidence of transferability

- Course equivalency guides on institution sites

OUS school to which the course will transfer

UO - University of Oregon

Comparable
course(s)

PSU: STAT244 UO: MATH243 OSU: ST202 EOU: STAT LDT OIT: MASC000 (Elective) SOU: MTH243 WOU: MTH2XX (LD Elective)

How does it transfer?

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

Evidence of transferability

- Other. Please explain.

Explanation of other evidence of transferability

- Course equivalency guides on institution sites

OUS school to which the course will transfer

WOU - Western Oregon University

Comparable course(s)

PSU: STAT244 UO: MATH243 OSU: ST202 EOU: STAT LDT OIT: MASC000 (Elective) SOU: MTH243 WOU: MTH2XX (LD Elective)

How does it transfer?

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

Evidence of transferability

- Other. Please explain.

Explanation of other evidence of transferability

- Course equivalency guides on institution sites

Please attach documentation

Reviewer Comments

Key: 1135

Preview Bridge

Course Change Request

Date Submitted: 03/18/25 3:47 pm

Viewing: PE-240 : Strength & Conditioning Theory & Techniques

Last approved: 09/15/23 4:34 am

Last edit: 03/19/25 6:57 am

Changes proposed by: Tracy Nelson (tracyn)

Catalog Pages referencing this course

Health (HE)

Physical Education (PE)

Programs referencing this course

AA.OREGONTRANSFER: Associate of Arts Oregon Transfer (AAOT)

CC.FITNESSSPEC: Fitness Specialist

Credits/Hours/Instructional Method Change

In Workflow

1. **Curriculum Office**
2. **DAFC Curriculum Committee Outline Review Team**
3. **Curriculum Office**
4. Curriculum Committee Approval
5. Colleague

Approval Path

1. 10/29/24 12:43 pm Megan Feagles (megan.feagles): Rollback to Initiator
2. 03/19/25 6:57 am Megan Feagles (megan.feagles): Approved for Curriculum Office
3. 03/27/25 2:06 pm Juan Cortes (juan.cortes): Approved for DAFC Curriculum Committee Outline Review Team

History

1. Sep 15, 2023 by Megan Feagles (megan.feagles)

Is Topic Shell Course?

Are you the Faculty Contact Person?

No

Faculty Contact Email

keonim@clackamas.edu

Course Prefix	PE - Physical Education
Course Number	240
Department	Health/Physical Education/Athletics
Division	Academic Foundations and Connections (AFAC)
Course Title	Strength & Conditioning Theory & Techniques

Grading

Grade Scheme	Standard (STND)
Credit Type	Credit Course
Allow Pass/No Pass	Yes
Only Pass/No Pass	No
Audit	No
Min Credit	3.00
Variable Credit	No

Contact hours

Lecture	30.00
Lec/Lab	
Lab	5.00
Activity	
Clinical	
Field	

CWE Seminar

CPR

Seminar

Community Education/Drivers Ed

Community Education/Adult

Total	35
Proposed Effective Term	Summer 2025

I acknowledge that this course, for the average student, will be a time commitment of 3 hours per week per credit in combination of in-class and out-of-class activity.

Yes

Course Description

An overview of introductory exercise physiology, biomechanics, program design, and exercise techniques that prepares students to design and implement physical training programs and exercise for clients and athletes.

Type of Course (ACTI Code)

100 - Lower Division Collegiate

Select at least one of the following:

Elective Only

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Course Requisites

Required

Prerequisites

Corequisites

Prerequisites or Corequisites

Recommended

Prerequisites

Corequisites

Prerequisites or Corequisites

Non-Course Requisites

Required

Recommended

Is Student Petition required?

No

Show course in Schedule: Print in Schedule

Hide course in catalog: No

When do you plan to offer this course?

Fall/Winter/Spring

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Course Certifications

Is this a Related Instruction course?

Yes

Related Instruction Area: Physical Education/Health/Safety/First Aid

Are you going to seek General Education Certification after course approval?

No

General Education Outcome(s)

Equivalent Courses

Equivalent Active Courses

Equivalent Inactive Courses

Student Learning Outcomes

Student Learning Outcomes

	Upon successful completion of this course, students should be able to:
1	describe basic exercise physiology processes;
2	describe basic biomechanics;
3	apply proper exercise training technique to themselves or others;
4	administer physical performance tests to clients and athletes.

Major Topic Outline

1. Introduction to exercise physiology 2. Introduction to biomechanics 3. Resistance training techniques 4. Speed and agility 5. Program design and implementation 6. Organization and administration 7. Testing and evaluation

Green Course Management

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

Increased Energy Efficiency

No

Produce Renewable Energy

No

Prevent Environmental Degradation

No

Clean up Natural Environment

No

Supports Green Services

No

Percent of Course 0

Course Transferability

OUS school to which the course will transfer

PSU - Portland State University

Comparable course(s)

N/A

How does it transfer?

general elective

Evidence of transferability

Other. Please explain.

Explanation of other evidence of transferability

Transferology

OUS school to which the course will transfer

SOU - Southern Oregon University

Comparable
course(s)

N/A

How does it transfer?

general elective

Evidence of transferability

Other. Please explain.

Explanation of other evidence of transferability

Transferology

Please attach documentation

Reviewer Comments

Key: 1320

Preview Bridge

Clackamas Community College

Program Amendments

Program	Implementation
Energy Systems Maintenance CC	2025/SU
Renewable Energy Technology AAS	2025/SU
Renewable Energy Technology CC	2025/SU

Program Change Request

Date Submitted: 03/21/25 11:32 am

Viewing: CC.ENSYSMAIN : Energy Systems Maintenance

Last approved: 06/07/24 9:29 am

Last edit: 03/21/25 12:44 pm

Changes proposed by: Craig Connors (craig.connors)

Catalog Pages Using this Program

Energy Systems Maintenance, Certificate

Change Type

College Council Review

No

Program Contact Information

Are you the Faculty Contact Person?

Yes

In Workflow

1. **Curriculum Office**
2. **IDTD Chair**
3. **DTPS Dean**
4. **Curriculum Office**
5. Curriculum Committee Approval

Approval Path

1. 03/21/25 12:50 pm Megan Feagles (megan.feagles): Approved for Curriculum Office
2. 03/21/25 8:00 pm Craig Connors (craig.connors): Approved for IDTD Chair
3. 03/24/25 9:47 am Armetta Burney (armetta.burney): Approved for DTPS Dean

History

1. Oct 6, 2022 by clmig-kxayasene
2. Jun 5, 2023 by Megan Feagles (megan.feagles)
3. Oct 30, 2023 by Megan Feagles (megan.feagles)

4. Mar 11, 2024 by Megan Feagles (megan.feagles)
5. Mar 21, 2024 by Megan Feagles (megan.feagles)
6. Jun 7, 2024 by Sasha Nelson-Steinberg (sasha.nelson)

Program Overview

Name of Proposed Program

Energy Systems Maintenance

Program Code	CC.ENSYSMAIN

Award (CCWD)

Certificate (12-30 credits) (CC)

Type of Program (CCC)	Certificate of Completion (CC)
Educational Focus Area	Industrial Technology and Automotive
Effective Catalog Edition	2025-2026
Career Area	Industrial and Engineering Systems
Department	Industrial Technology
Division	Technology, Applied Science and Public Services (TAPS)

Other locations (institutions) this Program will be offered

CIP Code	15.0303 - Electrical, Electronic, and Communications Engineering Technology/Technician.

Program Award Information

Program Learning Outcomes (PLOs)

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

	Outcome(s)
1	communicate effectively through technical drawings to determine product and customer specifications in building systems, energy products and thermal components;
2	diagnose and repair electromechanical systems;
3	design, install and troubleshoot electrical and fluid power controls related to energy system integration;
4	analyze potential energy sources and select appropriate technologies;
5	perform a residential energy audit, recommend and implement remediation measures;
6	communicate the pros and cons of renewable energy technologies to a diverse user base.

Describe revenues associated

We collect fees, similar to tuition rates, for some of our courses

Please explain how the current physical facilities and equipment will be allocated to meet the needs of the new program

All equipment needed is equipment currently available in building

Proposed Curriculum		
IMT-104	Reading Schematics and Symbols	2.00
IMT-111	Introduction to Renewable Energy and Industrial Systems	2.00-3.00
or RET-200	Renewable Energy Systems	
MFG-107	Industrial Safety & First Aid	3.00
MFG-131	Basic Electricity II	3.00
MFG-129	Basic Electricity	3.00

or MFG-130	Basic Electricity I	
MTH-050	Technical Mathematics I	4.00
or MTH-065	Algebra II	
Electives		12.00
Total Credits		29-30

Electives

Select one of the following:		2.00-3.00
CDT-103	Computer-Aided Drafting I	
CDT-108A	Introduction to SolidWorks	
CDT-130	Introduction to Fusion	
CDT-223	Inventor Fundamentals	
CDT-240	Revit for Architecture	
EET-139	Principles of Troubleshooting I	2.00
IMT-120	Industrial Machinery I	3.00
IMT-220	Industrial Machinery II	3.00
IMT-230	Introduction to Heating, Ventilation, and Air Conditioning	3.00
MFG-103	Machining for Fabrication & Maintenance	3.00
MFG-140	Principles of Fluid Power	3.00
MFG-218	Lean Manufacturing and Quality Systems	3.00
RET-209	Renewable Energy I: Energy Efficiency	3.00
RET-211	Renewable Energy II: System Fundamentals	3.00
RET-213	Renewable Energy III: Installation & Maintenance	3.00
RET-215	Renewable Energy IV: Systems Design	3.00
WLD-150	Welding Processes	4.00

Reviewer Comments

Program Change Request

Date Submitted: 03/25/25 9:39 pm

Viewing: AAS.RNEWNRGYTECH : Renewable Energy Technology

Last approved: 11/25/24 7:54 am

Last edit: 03/26/25 7:13 am

Changes proposed by: Craig Connors (craig.connors)

Catalog Pages Using this Program

Renewable Energy Technology, AAS

Change Type

College Council Review

No

Program Contact Information

Are you the Faculty Contact Person?

Yes

In Workflow

1. **Curriculum Office**
2. **IDTD Chair**
3. **DTPS Dean**
4. **Curriculum Office**
5. Curriculum Committee Approval

Approval Path

1. 03/26/25 7:18 am Megan Feagles (megan.feagles): Approved for Curriculum Office
2. 03/26/25 9:47 am Craig Connors (craig.connors): Approved for IDTD Chair
3. 03/26/25 9:57 am Armetta Burney (armetta.burney): Approved for DTPS Dean

History

1. Oct 6, 2022 by clmig-kxayasene
2. Feb 6, 2023 by Megan Feagles (megan.feagles)
3. Apr 18, 2023 by Megan Feagles (megan.feagles)

4. Jun 5, 2023 by Megan Feagles (megan.feagles)
5. Oct 30, 2023 by Megan Feagles (megan.feagles)
6. Nov 25, 2024 by Megan Feagles (megan.feagles)

Program Overview

Name of Proposed Program

Renewable Energy Technology

Program Code	AAS.RNEWNRGYTECH
Award (CCWD)	AAS Degree (90-108 credits) (AAS)
Type of Program (CCC)	Associate of Applied Science (AAS)
Educational Focus Area	Industrial Technology and Automotive
Effective Catalog Edition	2025-2026
Career Area	Industrial and Engineering Systems
Department	Industrial Technology
Division	Technology, Applied Science and Public Services (TAPS)

Other locations (institutions) this Program will be offered

CIP Code	15.0303 - Electrical, Electronic, and Communications Engineering Technology/Technician.

Program Award Information

Program Learning Outcomes (PLOs)

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

	Outcome(s)
1	communicate effectively through technical drawings to determine product and customer specifications in building systems, energy products and thermal components;
2	diagnose and repair electromechanical systems;
3	design, install and troubleshoot electrical and fluid power controls related to energy system integration;
4	analyze potential energy sources and select appropriate technologies;
5	perform a residential energy audit, recommend and implement remediation measures;
6	communicate the pros and cons of renewable energy technologies to a diverse user base;
7	determine the financial feasibility of a project through the mathematical analysis of thermal and electrical energy problems.

Proposed Curriculum

Plan of Study Grid

First Year		
First Term		Credits
EET-139	Principles of Troubleshooting I	2.00
IMT-104	Reading Schematics and Symbols	2.00
MFG-130	Basic Electricity I	3.00
MTH-050	Technical Mathematics I	4.00
or MTH-065	or Algebra II	
RET-200	Renewable Energy Systems	2.00
Human Relations requirement		3.00
	Credits	16
Second Term		
IMT-120	Industrial Machinery I	3.00
MFG-109	Computer Literacy for Technicians	3.00
MFG-131	Basic Electricity II	3.00
MFG-221	Materials Science	3.00
~~MTH-080~~	~~Technical Mathematics II~~	~~3.00~~

RET-209	Renewable Energy I: Energy Efficiency	3.00
	Credits	15
Third Term		
IMT-220	Industrial Machinery II	3.00
MFG-107	Industrial Safety & First Aid	3.00
MFG-132	Basic Electricity III	3.00
RET-211	Renewable Energy II: System Fundamentals	3.00
WR-101	Workplace Writing	4.00
or WR-121Z	or Composition I	
	Credits	16
Second Year		
Fourth Term		
~~Select one of the following:~~		~~3.00-4.00~~
~~IMT-230~~	~~Introduction to Heating, Ventilation, and Air Conditioning~~	
EET-215	Technical Mechanics	3.00
~~IMT-108~~	~~Rigging and Lifting~~	~~2.00~~
HD-209	Job Search Skills	3.00-4.00
or RET-280	or Renewable Energy/CWE	
MFG-103	Machining for Fabrication & Maintenance	3.00-4.00
or WLD-150	or Welding Processes	
~~WLD-150~~	~~Welding Processes~~	~~-~~
RET-213	Renewable Energy III: Installation & Maintenance	3.00
RET-240	Alternative Fuels	4.00
	Credits	16-18
Fifth Term		
EET-225	Mechatronics I	2.00
EET-233	Programmable Logic Controllers I	3.00
IMT-230	Introduction to Heating, Ventilation, and Air Conditioning	3.00
MFG-140	Principles of Fluid Power	3.00
MFG-209	Programming & Automation for Manufacturing	3.00
RET-215	Renewable Energy IV: Systems Design	3.00
Electives		3.00
	Credits	20
Sixth Term		
EET-234	Programmable Logic Controllers II	3.00
EET-235	Mechatronics II	2.00
~~HD-209~~	~~Job Search Skills~~	~~3.00-4.00~~
~~or RET-280~~	~~or Renewable Energy/CWE~~	
IMT-108	Rigging and Lifting	2.00
IMT-223	Instrumentation & Controls	3.00
RET-217	Renewable Energy Capstone Project	3.00

RET-220	SCADA Fundamentals	3.00
	Credits	16
	Total Credits	99-101

Electives

Any CDT course not included in the program.

Reviewer

Comments

Program Change Request

Date Submitted: 03/25/25 9:35 pm

Viewing: CC.RNEWNRGYTECH : Renewable Energy Technology

Last approved: 03/21/24 1:02 pm

Last edit: 03/25/25 9:35 pm

Changes proposed by: Craig Connors (craig.connors)

Catalog Pages Using this Program

Renewable Energy Technology, Certificate

Change Type

College Council Review

No

Program Contact Information

Are you the Faculty Contact Person?

Yes

In Workflow

1. Curriculum Office
2. IDTD Chair
3. DTPS Dean
4. Curriculum Office
5. Curriculum Committee Approval

Approval Path

1. 03/21/25 12:50 pm Megan Feagles (megan.feagles): Approved for Curriculum Office
2. 03/21/25 8:00 pm Craig Connors (craig.connors): Approved for IDTD Chair
3. 03/25/25 1:17 pm Armetta Burney (armetta.burney): Rollback to IDTD Chair for DTPS Dean
4. 03/25/25 9:32 pm Craig Connors (craig.connors): Rollback to Initiator
5. 03/26/25 7:18 am Megan Feagles (megan.feagles): Approved for Curriculum Office
6. 03/26/25 9:47 am Craig Connors

(craig.connors): Approved for IDTD Chair
7. 03/26/25 9:58 am Armetta Burney (armetta.burney): Approved for DTPS Dean

History

1. Oct 6, 2022 by clmig-kxayasene
2. Feb 6, 2023 by Megan Feagles (megan.feagles)
3. Apr 18, 2023 by Megan Feagles (megan.feagles)
4. Jun 5, 2023 by Megan Feagles (megan.feagles)
5. Mar 11, 2024 by Megan Feagles (megan.feagles)
6. Mar 21, 2024 by Megan Feagles (megan.feagles)

Program Overview

Name of Proposed Program

Renewable Energy Technology

Program Code CC.RNEWNRGYTECH

Award (CCWD)

Certificate, Related to a Parent Program (45-60 credits) (CC1R)

Parent Program

AAS.RNEWNRGYTECH

Type of Program (CCC)	Certificate of Completion (CC)
Educational Focus Area	Industrial Technology and Automotive
Effective Catalog Edition	2025-2026
Career Area	Industrial and Engineering Systems
Department	Industrial Technology
Division	Technology, Applied Science and Public Services (TAPS)

Other locations (institutions) this Program will be offered

CIP Code	15.0303 - Electrical, Electronic, and Communications Engineering Technology/Technician.

Program Award Information

Program Learning Outcomes (PLOs)

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

	Outcome(s)
1	communicate effectively through technical drawings to determine product and customer specifications in building systems, energy products and thermal components;
2	diagnose and repair electromechanical systems;
3	design, install and troubleshoot electrical and fluid power controls related to energy system integration;
4	analyze potential energy sources and select appropriate technologies;
5	perform a residential energy audit, recommend and implement remediation measures;
6	communicate the pros and cons of renewable energy technologies to a diverse user base.

Proposed Curriculum

Plan of Study Grid

First Term		Credits
EET-139	Principles of Troubleshooting I	2.00
IMT-104	Reading Schematics and Symbols	2.00
MFG-130	Basic Electricity I	3.00
MTH-050	Technical Mathematics I	4.00
or MTH-065	or Algebra II	
RET-200	Renewable Energy Systems	2.00
Human Relations requirement		3.00
	Credits	16
Second Term		
IMT-120	Industrial Machinery I	3.00
MFG-109	Computer Literacy for Technicians	3.00
MFG-131	Basic Electricity II	3.00
MFG-221	Materials Science	3.00
~~MTH-080~~	~~Technical Mathematics II~~	~~3.00~~
RET-209	Renewable Energy I: Energy Efficiency	3.00
	Credits	15
Third Term		
IMT-220	Industrial Machinery II	3.00
MFG-107	Industrial Safety & First Aid	3.00
MFG-132	Basic Electricity III	3.00
RET-211	Renewable Energy II: System Fundamentals	3.00
WR-101	Workplace Writing	4.00
or WR-121Z	or Composition I	
	Credits	16
	Total Credits	47

Reviewer Comments

Course Inactivations

Course Number	Title	Implementation
HE-280	Health/CWE	2025/SU

Course Change Request

A deleted record cannot be edited

Course Inactivation Proposal

Date Submitted: 03/16/25 8:35 pm

Viewing: HE-280 : Health/CWE

Last approved: 03/22/24 3:50 am

Last edit: 03/16/25 8:35 pm

Changes proposed by: Tracy Nelson (tracyn)

Catalog Pages referencing this course

Health (HE)

Justification for this inactivation request

In Workflow

1. **Curriculum Office**
2. **DAFC Dean**
3. **Curriculum Office**
4. Curriculum Committee Approval
5. Colleague

Approval Path

1. 03/17/25 6:50 am Megan Feagles (megan.feagles): Approved for Curriculum Office
2. 03/17/25 5:19 pm Danielle Hoffman (danielle.hoffman): Approved for DAFC Dean

History

1. Jun 8, 2023 by Megan Feagles (megan.feagles)
2. Feb 21, 2024 by Megan Feagles (megan.feagles)
3. Mar 16, 2024 by Tracy Nelson (tracyn)
4. Mar 22, 2024 by Megan Feagles (megan.feagles)

This class is not relevant to our curriculum any more. PE-280 is the requirement for the Fitness Specialist Certificate and adds additional work for grad services when students sign up for HE 280 instead of PE 280.

Is Topic Shell Course?

Are you the Faculty Contact Person?

Course Prefix	HE - Health
Course Number	280
Department	Health/Physical Education/Athletics
Division	Academic Foundations and Connections (AFAC)
Course Title	Health/CWE

Grading

Grade Scheme	Standard (STND)
Credit Type	Credit Course
Allow Pass/No Pass	Yes
Only Pass/No Pass	No
Audit	Yes
Min Credit	2.00
Variable Credit	Yes
Max Credit	6.00
Variable Credit Increment	1

Contact hours

Lecture	
Lec/Lab	
Lab	

Activity	
Clinical	
Field	216.00
CWE Seminar	
CPR	
Seminar	
Community Education/Drivers Ed	
Community Education/Adult	
Total	216
Proposed Effective Term	Summer 2025

I acknowledge that this course, for the average student, will be a time commitment of 3 hours per week per credit in combination of in-class and out-of-class activity.

Course Description

Cooperative work experience. Provides students with on-the-job experience and training related to the Physical Education field. Covers job problems and procedures, evaluation of students' job performance by qualified college staff and site supervision. May be repeated for up to 12 credits. Required: Student Petition.

Type of Course (ACTI Code)

100 - Lower Division Collegiate

Select at least one of the following:

Elective Only

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?	12

Course Requisites

Required

Prerequisites

Corequisites

CWE-281

Prerequisites or Corequisites

Recommended

Prerequisites

Corequisites

Prerequisites or Corequisites

Non-Course Requisites

Required

Recommended

Is Student Petition required?

Yes

Show course in Schedule: Print in Schedule

Hide course in catalog: No

When do you plan to offer this course? Summer/Fall/Winter/Spring

Will this class use library resources? Yes

Have you talked with a librarian regarding that impact? No

Course Certifications

Is this a Related Instruction course? Yes

Related Instruction Area: Physical Education/Health/Safety/First Aid

Are you going to seek General Education Certification after course approval? No

General Education Outcome(s)

Equivalent Courses

Equivalent Active Courses: PE-280 - Physical Education/CWE

Equivalent Inactive Courses

Student Learning Outcomes

Student Learning Outcomes

	Upon successful completion of this course, students should be able to:
1	apply academic knowledge, skills, and abilities to a work environment specific to their program of study;
2	demonstrate appropriate work habits (time management, interpersonal relationships, attendance, professional appearance, and problem solving) for their work environment;
3	apply career management strategies such as interviewing, resume writing, networking, and portfolio development.

Major Topic Outline

1. Find a place to complete the CWE 2. Hands on experience in a particular career field 3. Shadow and work closely with a supervisor 4. Gain valuable insight to the preferred career field

Green Course Management

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

Increased Energy Efficiency

No

Produce Renewable Energy

No

Prevent Environmental Degradation

No

Clean up Natural Environment

No

Supports Green Services

No

Percent of Course 0

Course Transferability

Please attach documentation

Reviewer Comments

Key: 924

Preview Bridge

Clackamas Community College

Related Instruction

Course Number	Title	Related Instruction Area
MTH-108	Data Science Explorations	Computation

General Education and Related Instruction Admin Change Request

New Proposal

Date Submitted: 03/04/25 3:57 pm

Viewing: MTH-108 : Data Science Explorations

Last edit: 03/04/25 3:57 pm

Changes proposed by: Kelly Mercer (kelly.mercer)

Parent Course:

MTH-108: Data Science Explorations

In Workflow

1. **Curriculum Office**
2. **Related Instruction Sub-Committee**
3. **General Education Sub-Committee**
4. **Curriculum Office**
5. Curriculum Committee Approval

Approval Path

1. 03/05/25 8:21 am Megan Feagles (megan.feagles): Approved for Curriculum Office
2. 03/13/25 11:02 am Tracy Nelson (tracyn): Approved for Related Instruction Sub-Committee
3. 03/19/25 7:41 pm Aundrea Snitker (aundrea.snitker): Approved for General Education Sub-Committee

Name of the Course

Data Science Explorations

Course Code

MTH-108

Are you the Faculty Contact Person?

Yes

Is General Education certification being sought?

Yes

If yes, in which area(s)?

Mathematics

Is Related Instruction certification being sought?

Yes

If so, which area?

Computation

General Education Area: Mathematics (M)

M-1. Supporting Documentation for General Education Course Criteria (optional):

If documents beyond this course outline may demonstrate how any or all of the course design criteria are incorporated in the course, such as an example course syllabus, please attach here (optional; not required).

Syllabus_ CCC MTH 108 Data Science Explorations.pdf

Any additional notes/comments:

The syllabus information is meant to be used across multiple institutions using the MTH-108 course. In the "Course Content" section, Student Project lines call out SLOs - almost all projects call out all SLOs as the course uses a "spiraled" approach to attaining learning outcomes. This means that students encounter opportunities to develop and solidify achievement in all outcomes in each course Module.

M-1. General Education Criteria For Course Design:

A. Does the course design require students to “Use the tools of arithmetic and algebra to work with more complex mathematical concepts”?

Yes

Is it evident in your course outline? If so, check all that apply below.

Major Topics

Criteria are not always easy to discern from course outlines. You are welcome to include any additional comments, clarifications, and/or supplemental documents which may help faculty reviewers confirm that the course is designed to incorporate the Gen Ed criteria consistently in all course sections.

Arithmetic and algebra can be less obvious in data driven courses. They are used throughout, but are particularly clear to all observers in the Regression and Correlation section where common algebra structures are used in modeling best fit functions.

Attach File

B. Does the course design require students to “Design and follow a multi-step mathematical process through to a logical conclusion and judge the reasonableness of the results”?

Yes

Is it evident in your course outline? If so, check all that apply below.

Course Description
Major Topics
SLOs

Criteria are not always easy to discern from course outlines. You are welcome to include any additional comments, clarifications, and/or supplemental documents which may help faculty reviewers confirm that the course is designed to incorporate the Gen Ed criteria consistently in all course sections.

The Data Science Cycle is itself a multi-step mathematical process to develop appropriate conclusions about data. This is the foundation of the course. See syllabus.

Attach File
Syllabus_ CCC MTH 108 Data Science Explorations.pdf

C. Does the course design require students to “Create mathematical models, analyze these models, and, when appropriate, find and interpret solutions”?

Yes

Is it evident in your course outline? If so, check all that apply below.

Course Description
Major Topics
SLOs

Criteria are not always easy to discern from course outlines. You are welcome to include any additional comments, clarifications, and/or supplemental documents which may help faculty reviewers confirm that the course is designed to incorporate the Gen Ed criteria consistently in all course sections.

All data visualizations are mathematical models. Students will analyze and create these models throughout the course. The typical understanding of "solutions" in a mathematics course does not apply to data science as there are no "right answers", but rather a myriad of appropriate answers that consider the complex aspects of data collection design, bias, ethics, and impact. Students will learn about and become proficient in analyzing the merits of conclusions from data as well as authoring their own conclusions.

Attach File

D. Does the course design require students to “Compare a variety of mathematical tools, including technology, to determine an effective method of analysis”?

Yes

Is it evident in your course outline? If so, check all that apply below.

Course Description
Major Topics
SLOs

Criteria are not always easy to discern from course outlines. You are welcome to include any additional comments, clarifications, and/or supplemental documents which may help faculty reviewers confirm that the course is designed to incorporate the Gen Ed criteria consistently in all course sections.

The technology tools being used are hand drawn data displays, data dashboards, spreadsheets, and the R programming language. These will explore various mathematical tools related to data cleaning, organization, visualization, and analysis.

Attach File

E. Does the course design require students to “Analyze and communicate both problems and solutions in ways that are useful to themselves and to others”?

Yes

Is it evident in your course outline? If so, check all that apply below.

Course Description
Major Topics
SLOs

Criteria are not always easy to discern from course outlines. You are welcome to include any additional comments, clarifications, and/or supplemental documents which may help faculty reviewers confirm that the course is designed to incorporate the Gen Ed criteria consistently in all course sections.

In particular, the Course Content section of the syllabus calls out the projects that students will create, which are the methods of analyzing and communicating problems and solutions that are meaningful to themselves and others. See syllabus.

Attach File

Syllabus_ CCC MTH 108 Data Science Explorations.pdf

F. Does the course design require students to “Use mathematical terminology, notation and symbolic processes appropriately and correctly”?

Yes

Is it evident in your course outline? If so, check all that apply below.

Major Topics

Criteria are not always easy to discern from course outlines. You are welcome to include any additional comments, clarifications, and/or supplemental documents which may help faculty reviewers confirm that the course is designed to incorporate the Gen Ed criteria consistently in all course sections.

While present in the Course Description and SLOs, this is particularly evident in the Course Content section of the syllabus. Additionally the spreadsheets module of the course is attached to see more specific examples of the kind of formalization (terms, notation, symbols) students encounter and learn to use effectively.

Attach File

Module 3 Organizer (teacher-facing).pdf

G. Does the course design require students to “make mathematical connections to, and solve problems from, othe disciplines”?

Yes

Is it evident in your course outline? If so, check all that apply below.

Course Description
Major Topics
SLOs

Criteria are not always easy to discern from course outlines. You are welcome to include any additional comments, clarifications, and/or supplemental documents which may help faculty reviewers confirm that the course is designed to incorporate the Gen Ed criteria consistently in all course sections.

Data Science is a multidisciplinary field. We continue to work to draw connections between this course and other courses where data is a fundamental part of the curriculum and in fields that utilize data heavily (which is potentially all courses and fields).

Attach File

M-2. General Education Outcomes – Student Learning Outcomes Crosswalk:

General Education Outcomes (GEOs)

(M1) Use appropriate mathematics to solve problems

SLOs	Comments
Analyze real world data, making and evaluating predictions, and identifying potential errors, sources of bias, and issues of ethics.	Making and evaluating predications requires the use of appropriate mathematics for the particular variables of a data set. Errors, bias, and ethics determine whether any data mathematics can be applied to a scenario. Appropriateness is both a question of whether you can and should apply mathematics to a problem in data science scenarios.
Utilize appropriate technology, including programing and spreadsheets, to organize, evaluate, visualize, and analyze data.	Appropriate technology is a form of appropriate mathematics in the modern era.
Apply the data science cycle to develop and answer statistical questions about univariate, bivariate, and multivariate data.	Answering statistical questions is the form that "solving problems" takes on in a data driven course. Univariate, bivariate, and multivariate data have unique approaches requiring that students learn the appropriate tools for each.
Create clear and compelling communications in multiple formats, including data visualizations with supporting narratives, for specific audiences.	The solving of a problem with data is nuanced. There are no "right answers". Thus a clear and compelling presentation is needed to truly address problem solving when using data.
Develop identity-informed confidence and agency as emerging data scientists to engage in ethical data practices and decision making.	Authentic engagement is the foundational prerequisite to using appropriate mathematics to solve problems. Identity-informed learning fosters belonging which is required for engagement.

(M2) 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

SLOs	Comments
Analyze real world data, making and evaluating predictions, and identifying potential errors, sources of bias, and issues of ethics.	This SLO embodies the recognition phase called out in this GEO. Initial data analysis and the exploration of errors, bias, and ethics determine the type of work that can be done with data (the mathematical concepts that can be applied).

SLOs	Comments
Utilize appropriate technology, including programing and spreadsheets, to organize, evaluate, visualize, and analyze data.	The appropriate mathematics and technology are applied in this SLO. Data analysis is the goal of utilizing these tools.
Apply the data science cycle to develop and answer statistical questions about univariate, bivariate, and multivariate data.	This SLO specifies the range of data scenarios that students will conduct the entirety of the GEO. Univariate, bivariate, and multivariate data will be recognized, analyzed, interpreted, validated, and communicated.
Create clear and compelling communications in multiple formats, including data visualizations with supporting narratives, for specific audiences.	This SLO represents the interpretation, validation, and communication of results in data scenarios.
Develop identity-informed confidence and agency as emerging data scientists to engage in ethical data practices and decision making.	While fundamentally being an outcome about the importance of fostering a sense of belonging for students, the GEO calls for engagement in authentic problem solving. This SLO focuses on the very realistic considerations of ethical data practice and decision making required in every field.

M-3. General Education Assessment:

Attach assessment documentation for all general education outcomes.

Lesson 32A-C_ Spreadsheets_Lesson Plan.pdf

Module 3 Organizer (teacher-facing).pdf

Comments

M1) The Lesson 3.2.A-C pdf calls out the work students do with spreadsheets, ultimately producing the descriptive statistics and visualizations on the second tab of this spreadsheet. This key (link below) is used to evaluate student attainment of this outcome. This is an emerging level of outcome attainment as students are collaborating with classmates and also following teacher demonstrations. It is not fully independent work with the outcome, but is an easier example to attach than the R-markup work they do later in the course. https://docs.google.com/spreadsheets/d/1bwOkplMfENAsPnLEgvTiHGYruB9UeWwHLH9CiiFUGVI/edit?usp=sharing

M2) Pages 23-26 of the Module 3 Organizer describe a project to create a Policy Memo based on the data analysis they have done with data. This data set is new, but related to the data used in earlier work on spreadsheets. Thus they have are independently creating a full analysis of a

data scenario and attending to all components of the M2 GEO. A rubric for the assignment follows the project overview.

B. Attach evaluation documentation for all general education outcomes.

Lesson 32A-C_ Spreadsheets_Lesson Plan.pdf

Module 3 Organizer (teacher-facing).pdf

Comments

The previously attached files and links address the assessment of these student work products.

The ways in which the assessment of this student work within the course will be used to conduct program level assessment has not yet been determined, but the existing assessment strategies are a huge step in that direction. There will be multiple assignments in the course with similar functionality and assessment methods.

Requirements for the Specific General Education Area: Mathematics

Related Instruction Area: Computation

RI-1: Supporting Documentation (optional):

If documents beyond this course outline may demonstrate how any or all of the course design criteria are incorporated in the course, such as an example course syllabus, please attach here (optional; not required).

Syllabus_ CCC MTH 108 Data Science Explorations.pdf

Any additional notes/comments:

The syllabus information is meant to be used across multiple institutions using the MTH-108 course. In the "Course Content" section, Student Project lines call out SLOs - almost all projects call out all SLOs as the course uses a "spiraled" approach to attaining learning outcomes. This means that students encounter opportunities to develop and solidify achievement in all outcomes in each course Module.

RI-1: Related Instruction Criteria For Course Design

A. Does the course design “provide students with sufficient mathematical skills and knowledge for success in a fiel in which a degree or certificate is offered?”

Yes

Is the criteria evident in your course outline? If so, check all that apply below.

Course Description
Major Topics
SLOs

Criteria are not always easy to discern from course outlines, so please provide any clarifying supporting documents or comments to help the review team understand how your course is designed to meet the criteria. Thank you!

In particular, the Course Content section of the syllabus calls out the projects that students will create, which are the methods of analyzing and communicating problems and solutions that are meaningful to themselves and others. This is intended to be a demonstration of applied numeracy and mathematics that would be required for a degree or certificate. Data Science is a multidisciplinary field. We continue to work to draw connections between this course and other courses where data is a fundamental part of the curriculum and in fields that utilize data heavily (which is potentially all courses and fields). The opportunity to see mathematics across multiple disciplines will provide practice utilizing mathematical skills and knowledge for success.

Attach File
Syllabus_ CCC MTH 108 Data Science Explorations.pdf

RI-2: Related Instruction Outcome: Student Learning Outcome Crosswalk

Upon successful completion of this course, students should be able to use appropriate mathematics to solve problems.

SLOs	Comments
Analyze real world data, making and evaluating predictions, and identifying potential errors, sources of bias, and issues of ethics.	Making and evaluating predications requires the use of appropriate mathematics for the particular variables of a data set. Errors, bias, and ethics determine whether any data mathematics can be applied to a scenario. Appropriateness is both a question of whether you can and should apply mathematics to a problem in data science scenarios.
Utilize appropriate technology, including programing and spreadsheets, to organize, evaluate, visualize, and analyze data.	Appropriate technology is a form of appropriate mathematics in the modern era.
Apply the data science cycle to develop and answer statistical questions about univariate, bivariate, and multivariate data.	Answering statistical questions is the form that "solving problems" takes on in a data driven course. Univariate, bivariate, and multivariate data have unique approaches requiring that students learn the appropriate tools for each.
Create clear and compelling communications in multiple formats, including data visualizations with supporting narratives, for specific audiences.	The solving of a problem with data is nuanced. There are no "right answers". Thus a clear and compelling presentation is needed to truly address problem solving when using data.
Develop identity-informed confidence and agency as emerging data scientists to engage in ethical data practices and decision making.	Authentic engagement is the foundational prerequisite to using appropriate mathematics to solve problems. Identity-informed learning fosters belonging which is required for engagement.

RI-3: Related Instruction Assessment

A. Assignment documentation for each related instruction outcome

Lesson 32A-C_ Spreadsheets_Lesson Plan.pdf

Module 3 Organizer (teacher-facing).pdf

Comments

The Lesson 3.2.A-C pdf calls out the work students do with spreadsheets, ultimately producing the descriptive statistics and visualizations on the second tab of this spreadsheet. This key (link below) is used to evaluate student attainment of this outcome. This is an emerging level of outcome attainment as students are collaborating with classmates and also following teacher demonstrations. It is not fully independent work with the outcome, but is an easier example to

attach than the R-markup work they do later in the course.
https://docs.google.com/spreadsheets/d/1bwOkplMfENAsPnLEgvTiHGYruB9UeWwHLH9CiiFUGVI/edit?usp=sharing

Pages 23-26 of the Module 3 Organizer describe a project to create a Policy Memo based on the data analysis they have done with data. This data set is new, but related to the data used in earlier work on spreadsheets. Thus they have are independently creating a full analysis of a data scenario and attending to all components of the M2 GEO. A rubric for the assignment follows the project overview.

B. Attach evaluation documentation for all related instruction outcomes.

Lesson 32A-C_ Spreadsheets_Lesson Plan.pdf
Module 3 Organizer (teacher-facing).pdf

Comments

The previously attached files and links address the assessment of these student work products.

The ways in which the assessment of this student work within the course will be used to conduct program level assessment has not yet been determined, but the existing assessment strategies are a huge step in that direction. There will be multiple assignments in the course with similar functionality and assessment methods.

Reviewer
Comments

Clackamas Community College

General Education

Course Number	Title	General Education Area
MTH-108	Data Science Explorations	Mathematics

Program Amendments

Program	Implementation
Oregon Transfer Module	2025/SU
AA Degree, Oregon Transfer	2025/SU
Associate of General Studies	2025/SU

Program Change Request

Date Submitted: 03/24/25 12:08 pm

Viewing: NA.OTM : Oregon Transfer Module

Last approved: 02/07/25 8:40 am

Last edit: 03/24/25 2:22 pm

Changes proposed by: Megan Feagles (megan.feagles)

Catalog Pages Using this Program

Oregon Transfer Module (OTM)

No Longer Offered Rationale for

Change Type

College Council Review

No

Program Contact Information

Are you the Faculty Contact Person?

Faculty Contact Email

In Workflow

1. **Curriculum Office**
2. Curriculum Committee Approval

History

1. Oct 6, 2022 by clmig-kxayasene
2. Jan 5, 2023 by Megan Feagles (megan.feagles)
3. Jan 5, 2023 by Megan Feagles (megan.feagles)
4. Jan 24, 2023 by Megan Feagles (megan.feagles)
5. Jan 25, 2023 by Megan Feagles (megan.feagles)
6. Apr 18, 2023 by Megan Feagles (megan.feagles)
7. Feb 16, 2024 by Megan Feagles (megan.feagles)
8. Mar 11, 2024 by Megan Feagles (megan.feagles)
9. Mar 15, 2024 by Megan Feagles (megan.feagles)
10. Apr 5, 2024 by Megan Feagles (megan.feagles)

11. May 17, 2024 by Megan Feagles (megan.feagles)
12. Jun 7, 2024 by Megan Feagles (megan.feagles)
13. Jun 10, 2024 by Megan Feagles (megan.feagles)
14. Jan 17, 2025 by Megan Feagles (megan.feagles)
15. Feb 7, 2025 by Megan Feagles (megan.feagles)

Program Overview

Name of Proposed Program

Oregon Transfer Module

Program Code	NA.OTM
Award (CCWD)	No Formal Award (NFA)
Type of Program (CCC)	Oregon Transfer Module (OTM)
Educational Focus Area	
Effective Catalog Edition	2025-2026
Career Area	Arts, Information, and Communications
Department	Curriculum and Scheduling
Division	Institutional Effectiveness & Planning (IEP)

Other locations (institutions) this Program will be offered

CIP Code

24.0101 - Liberal Arts and Sciences/Liberal Studies.

Program Description

Labor Market Need

Target Population

Program Award Information

Program Learning Outcomes (PLOs)

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

Describe revenues associated
New Courses
Additional Sections
Additional Faculty
Please explain the need for new physical facilit
Please explain how the current physical facilitie
Please explain the need for new or expanded s
Please explain how the current Student Service
Describe other expenses

Financial Assistance Options Sought for and/or Approved for the Program

Federal Financial Aid Options

Describe
Workforce Investment Act – Individual Training

Describe

Program Approval Standards

Standard A: Need - The community college pro

Proposed Curriculum

Complete 45 credits from the following:

Foundational Skills

Writing

2 Courses

Information literacy will be included in the Writing Requirement

WR-121Z	Composition I	4.00
WR-122Z	Composition II	4.00
or WR-227Z	Technical Writing	

Oral Communication

1 Course

COMM-111Z	Public Speaking	4.00

Mathematics

1 Course

MTH-105Z	Math in Society	4.00
MTH-111Z	Precalculus I: Functions	4.00
MTH-112Z	Precalculus II: Trigonometry	4.00
MTH-211	Fundamentals of Elementary Math I	4.00
MTH-212	Fundamentals of Elementary Math II	4.00
MTH-213	Fundamentals of Elementary Math III	4.00
~~MTH-251~~	~~Differential Calculus~~	~~5.00~~
MTH-251Z	Course MTH-251Z Not Found	4.00

General Education Distribution Areas

Arts & Letters

3 Courses

Arts & Letters Course List

ART-101	Art Appreciation	3.00
ART-115	Basic Design: 2-Dimensional Design	4.00
ART-117	Basic Design: 3-Dimensional Composition	4.00
ART-131	Introduction to Drawing	4.00
ART-204	History of Art/Ancient Through Medieval	4.00
ART-205	History of Art/Romanesque Through Baroque	4.00
ART-206	History of Art/Enlightenment Through Contemporary	4.00
ART-232	Life Drawing (Figure Emphasis)	4.00
ART-233	Drawing for Comics	4.00
ART-250	Ceramics/Beginning	4.00
ART-251	Ceramics/Hand-Building I	4.00
ART-252	Ceramics/Wheel-Throwing I	4.00
ART-253	Ceramics/Intermediate	4.00
ART-254	Ceramics/Hand-Building II	4.00
ART-255	Ceramics/Wheel-Throwing II	4.00
ART-257	Metalsmithing/Jewelry	4.00
ART-281	Painting: Still Life/Beginning	4.00
ART-282	Painting: The Figure/Beginning	4.00
ART-283	Painting: Landscapes/Beginning	4.00
ART-284	Painting: Still Life/Intermediate	4.00
ART-285	Painting: The Figure/Intermediate	4.00
ART-286	Painting: Landscapes/Intermediate	4.00
ART-291	Sculpture	4.00

ART-292	Sculpture (Figure Emphasis)	4.00
ART-293	Sculpture (Metal Emphasis)	4.00
ASL-201	Second-Year American Sign Language I	4.00
ASL-202	Second-Year American Sign Language II	4.00
ASL-203	Second-Year American Sign Language III	4.00
COMM-112	Persuasive Speaking	4.00
COMM-126	Intro to Communication, Gender, and Sexuality	4.00
COMM-140	Introduction to Intercultural Communication	4.00
COMM-212	Mass Media & Society	4.00
COMM-218Z	Interpersonal Communication	4.00
COMM-219	Small Group Discussion	4.00
COMM-227	Nonverbal Communication	4.00
ENG-107	World Literature: Ancient Through Classical Times	4.00
ENG-104Z	Introduction to Fiction	4.00
ENG-105Z	Introduction to Drama	4.00
ENG-106Z	Introduction to Poetry	4.00
ENG-108	World Literature: Early Middle Ages through the 18th Century	4.00
ENG-109	World Literature: The 19th through 21st Centuries	4.00
ENG-116	Introduction to Literature: Comics	4.00
ENG-121	Mystery Fiction	4.00
ENG-194	Introduction to Film	4.00
ENG-195	American Film	4.00
ENG-201	Shakespeare	4.00
ENG-202	Shakespeare	4.00
ENG-204	British Literature: Ancient to Enlightenment	4.00
ENG-205	British Literature: Romantic to Contemporary	4.00
ENG-213	U.S. Latinx Literature	4.00
ENG-218	Arthurian Literature	4.00
ENG-222	Children's and Young Adult Literature	4.00

ENG-226	Popular Literature	4.00
ENG-240	Native American Mythology	4.00
ENG-241	Norse Mythology	4.00
ENG-243	African Mythology	4.00
ENG-250	Greek Mythology	4.00
ENG-251	Celtic Mythology	4.00
ENG-252	Hindu Mythology	4.00
ENG-253	American Literature: Pre-Columbian to Civil War	4.00
ENG-254	American Literature: 1865 to Present	4.00
ENG-255	American Literature: Topics in American Literature	4.00
ENG-260	Introduction to Women Writers	4.00
ENG-261	Literature of Science Fiction	4.00
ENG-270	Introduction to Literary Criticism	4.00
ENG-271	World Literature: Ancient Through Classical Times	4.00
ENG-272	World Literature: Early Middle Ages through the 18th Century	4.00
ENG-273	World Literature: the 19th Through 21st Centuries	4.00
ENG-295	Revolutionary Film	4.00
ENG-296	Adaptation: Literature Into Film	4.00
FR-201	Second-Year French I	4.00
FR-202	Second-Year French II	4.00
FR-203	Second-Year French III	4.00
HUM-235	Perspectives on Terrorism	4.00
HUM-237	Perspectives on Democracy and Dialogue	4.00
J-211	Mass Media & Society	4.00
J-216	Writing for Media	4.00
MUS-105	Music Appreciation	3.00
MUS-111	Music Theory I	3.00
MUS-112	Music Theory I	3.00
MUS-113	Music Theory I	3.00

MUS-205	Music Literature: History of Jazz	4.00
MUS-206	Music Literature: History of Rock	4.00
MUS-211	Music Theory II	3.00
MUS-212	Music Theory II	3.00
MUS-213	Music Theory II	3.00
PHL-101	Philosophical Problems	4.00
PHL-102	Ethics	4.00
PHL-103	Critical Reasoning	4.00
PHL-205	Moral Issues	4.00
PHL-210	Philosophy of Religion	4.00
PHL-213	Asian Philosophy	4.00
PHL-216	Ancient Philosophy	4.00
R-101	Judaism and Foundations of Religion	4.00
R-102	Christianity and Islam	4.00
R-103	Asian Religions	4.00
R-204	History of Christianity	4.00
R-210	World Religions	4.00
R-211	History of the Old Testament	4.00
R-212	History of the New Testament	4.00
SPN-201	Second-Year Spanish I	4.00
SPN-202	Second-Year Spanish II	4.00
SPN-203	Second-Year Spanish III	4.00
SSC-237	Perspectives on Democracy and Dialogue	4.00
TA-101	Appreciation of Theatre	4.00
TA-102	Appreciation of Theatre	4.00
TA-103	Appreciation of Theatre	4.00
TA-111	Fundamentals of Technical Theatre	4.00
TA-122	Costuming II	3.00
TA-123	Costuming III	3.00

TA-141	Acting I	4.00
TA-142	Acting II	4.00
TA-143	Acting III	4.00
TA-153	Theatre Rehearsal & Performance	3.00
WR-240	Creative Nonfiction Writing I	4.00
WR-241	Fiction Writing I	4.00
WR-242	Poetry Writing I	4.00
WR-243	Playwriting I	4.00
WR-244	Fiction Writing II	4.00
WR-245	Poetry Writing II	4.00
WR-247	Playwriting II	4.00
WR-248	Publishing Literature: Editing and Marketing for Publication	4.00
WR-262	Introduction to Screenwriting	4.00
WR-263	Screenwriting II	4.00
WR-265	Digital Storytelling	4.00
WR-270	Creative Nonfiction Writing II: Food Writing	4.00
WS-101	Introduction to Women's Studies	4.00

Social Science

3 Courses

Social Science Course List

ANT-101	Biological Anthropology	4.00
ANT-102	Archaeology & Prehistory	4.00
ANT-103	Cultural Anthropology	4.00
ANT-232	Native Americans of North America	4.00
CJA-101	Criminology	4.00
CJA-201	Juvenile Delinquency	4.00
EC-200	Contemporary Economic Issues	4.00
~~EC-201~~	~~Principles of Microeconomics~~	~~4.00~~

~~EC-202~~	~~Principles of Macroeconomics~~	~~4.00~~
EC-201Z	Course EC-201Z Not Found	4.00
EC-202Z	Course EC-202Z Not Found	4.00
ES-101	Introduction to Ethnic Studies	4.00
ES-211	Introduction to Latino/a/x Studies	4.00
GEO-100	Introduction to Physical Geography	4.00
GEO-110	Cultural & Human Geography	4.00
GEO-130	Introduction to Environmental Geography	4.00
GEO-208	Geography of the United States & Canada	4.00
HST-101	History of Western Civilization	4.00
HST-102	History of Western Civilization	4.00
HST-103	History of Western Civilization	4.00
HST-131	History of Crime & Punishment in Western Civilization	4.00
HST-132	History of Language and the Written Word in Western Civilization	4.00
HST-136	History of Popular Culture, Entertainment & Sports in Western Civilization	4.00
HST-137	History of Science, Medicine, & Technology in Western Civilization	4.00
HST-201	History of the United States	4.00
HST-202	History of the United States	4.00
HST-203	History of the United States	4.00
HUM-237	Perspectives on Democracy and Dialogue	4.00
PS-200	Introduction to Political Science	4.00
PS-201	American Government and Politics	4.00
PS-203	State and Local Governments	4.00
PS-204	Introduction to Comparative Politics	4.00
PS-205	International Relations	4.00
PS-225	Introduction to Political Ideologies	4.00
PS-297	Introduction to Environmental Politics	4.00
PSY-201Z	Introduction to Psychology I	4.00
PSY-202Z	Introduction to Psychology II	4.00

PSY-215	Introduction to Developmental Psychology	4.00
PSY-219	Introduction to Psychological Disorders	4.00
PSY-231	Introduction to Human Sexuality	4.00
~~SOC-204~~	~~Introduction to Sociology~~	~~4.00~~
SOC-204Z	Course SOC-204Z Not Found	4.00
SOC-205	Social Stratification & Social Systems	4.00
~~SOC-206~~	~~Social Change and Institutions~~	~~4.00~~
SOC-205Z	Course SOC-205Z Not Found	4.00
SOC-206Z	Course SOC-206Z Not Found	4.00
SOC-210	Marriage, Family, & Intimate Relations	4.00
~~SOC-225~~	~~Social Problems~~	~~4.00~~
SSC-235	Perspectives on Terrorism	4.00
SSC-237	Perspectives on Democracy and Dialogue	4.00
WS-101	Introduction to Women's Studies	4.00

Science/Math/Computer Science

3 Courses

Including at least 1 biological or physical science with a lab

Science/Math/Computer Science Course List

ASC-175	Integrated Science Inquiry	4.00
ASC-176	Integrated Science Inquiry	4.00
ASC-177	Integrated Science Inquiry	4.00
BI-101	General Biology; Cellular Biology	4.00
BI-102	General Biology; Animal Systems	4.00
BI-103	General Biology; Plants & The Ecosystem	4.00
BI-112	General Biology for Health Sciences	4.00
BI-160	Bird Identification & Taxonomy	3.00
BI-160L	Bird Identification & Taxonomy with Lab	4.00
BI-165C	Natural History of the Oregon Coast	3.00
BI-165CL	Natural History of the Oregon Coast with Lab	4.00

BI-165D	Natural History of the Western Deserts	4.00
BI-175	Integrated Science Inquiry	4.00
BI-176	Integrated Science Inquiry	4.00
BI-177	Integrated Science Inquiry	4.00
BI-204	Elementary Microbiology	4.00
~~BI-211~~	~~Principles of Biology: Cells~~	~~5.00~~
~~BI-212~~	~~Principles of Biology: Organisms~~	~~5.00~~
~~BI-213~~	~~Principles of Biology: Ecology and Evolution~~	~~5.00~~
BI-221Z	Course BI-221Z Not Found	5.00
BI-222Z	Course BI-222Z Not Found	5.00
BI-223Z	Course BI-223Z Not Found	5.00
BI-231	Human Anatomy & Physiology I	4.00
BI-232	Human Anatomy & Physiology II	4.00
BI-233	Human Anatomy & Physiology III	4.00
BI-234	Introductory Microbiology	4.00
CH-104	Introductory Chemistry	5.00
CH-105	Introductory Chemistry	5.00
CH-106	Introductory Chemistry	5.00
CH-112	Chemistry for Health Sciences	4.00
CH-114	Chemistry in Art	4.00
CH-221	General Chemistry	5.00
CH-222	General Chemistry	5.00
CH-223	General Chemistry	5.00
ESR-171	Introduction to Environmental Science	4.00
ESR-172	Introduction to Climate Change	4.00
ESR-173	Introduction to Sustainability	4.00
G-101	General Geology	4.00
G-102	General Geology	4.00
G-103	General Geology	4.00

G-148	Volcanoes & Earthquakes	4.00
G-201	General Geology	4.00
G-202	General Geology	4.00
G-203	General Geology	4.00
GS-104	Earth System Science	4.00
GS-105	Earth System Science	4.00
GS-106	Earth System Science	4.00
GS-107	Astronomy	4.00
MTH-105Z	Math in Society	4.00
MTH-108	Data Science Explorations	4.00
MTH-111Z	Precalculus I: Functions	4.00
MTH-112Z	Precalculus II: Trigonometry	4.00
MTH-211	Fundamentals of Elementary Math I	4.00
MTH-212	Fundamentals of Elementary Math II	4.00
MTH-213	Fundamentals of Elementary Math III	4.00
MTH-244	Statistics II	4.00
~~MTH-251~~	~~Differential Calculus~~	~~5.00~~
~~MTH-252~~	~~Integral Calculus~~	~~5.00~~
~~MTH-253~~	~~Calculus: Sequences and Series~~	~~5.00~~
MTH-251Z	Course MTH-251Z Not Found	4.00
MTH-252Z	Course MTH-252Z Not Found	4.00
MTH-253Z	Course MTH-253Z Not Found	4.00
MTH-254	Vector Calculus	5.00
MTH-256	Differential Equations	4.00
MTH-261	Linear Algebra	4.00
PH-121	Astronomy	4.00
PH-122	General Astronomy	4.00
PH-123	General Astronomy	4.00
PH-201	General Physics	5.00

PH-202	General Physics	5.00
PH-203	General Physics	5.00
PH-211	General Physics With Calculus	5.00
PH-212	General Physics With Calculus	5.00
PH-213	General Physics With Calculus	5.00
STAT-243Z	Elementary Statistics I	4.00
Z-201	General Zoology	4.00
Z-202	General Zoology	4.00
Z-203	General Zoology	4.00

Other Requirements

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

All courses must be passed with a C or better

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

All courses must be 100 level or higher

All courses must be at least 3 credits

Reviewer

Comments

Program Change Request

Date Submitted: 03/24/25 12:17 pm

Viewing: **AA.OREGONTRANSFER : Associate of Arts Oregon Transfer (AAOT)**

Last approved: 02/07/25 8:40 am

Last edit: 03/24/25 2:18 pm

Changes proposed by: Megan Feagles (megan.feagles)

Catalog Pages Using this Program

Associate of Arts Oregon Transfer (AAOT)

Change Type

College Council Review

No

Program Contact Information

Are you the Faculty Contact Person?

In Workflow

1. **Curriculum Office**
2. Curriculum Committee Approval

History

1. Oct 6, 2022 by clmig-kxayasene
2. Jan 5, 2023 by Megan Feagles (megan.feagles)
3. Jan 5, 2023 by Megan Feagles (megan.feagles)
4. Jan 5, 2023 by Megan Feagles (megan.feagles)
5. Jan 24, 2023 by Megan Feagles (megan.feagles)
6. Jan 25, 2023 by Megan Feagles (megan.feagles)
7. Apr 18, 2023 by Megan Feagles (megan.feagles)
8. Feb 2, 2024 by Megan Feagles (megan.feagles)
9. Feb 16, 2024 by Megan Feagles (megan.feagles)
10. Mar 11, 2024 by Megan Feagles (megan.feagles)

11. Mar 15, 2024 by Megan Feagles (megan.feagles)
12. Mar 15, 2024 by Megan Feagles (megan.feagles)
13. Mar 15, 2024 by Megan Feagles (megan.feagles)
14. Mar 15, 2024 by Megan Feagles (megan.feagles)
15. Apr 5, 2024 by Megan Feagles (megan.feagles)
16. May 17, 2024 by Megan Feagles (megan.feagles)
17. Jun 7, 2024 by Megan Feagles (megan.feagles)
18. Jan 17, 2025 by Megan Feagles (megan.feagles)
19. Feb 7, 2025 by Megan Feagles (megan.feagles)

Program Overview

Name of Proposed Program

Associate of Arts Oregon Transfer (AAOT)

Program Code AA.OREGONTRANSFER

Award (CCWD)

Associate of Arts Oregon Transfer (90-108 credits) (AAOT)

Type of Program (CCC) Associate of Arts (AA)

Educational Focus Area	
Effective Catalog Edition	2025-2026
Career Area	Arts, Information, and Communications
Department	Arts and Sciences
Division	Arts and Sciences

Other locations (institutions) this Program will be offered

CIP Code	24.0101 - Liberal Arts and Sciences/Liberal Studies.

Program Award Information

Program Learning Outcomes (PLOs)

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

	Outcome(s)
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 a range of human experience and expression to engage more fully in local and global issues.
3	identify and analyze complex practices, values, and beliefs and the culturally and historically defined meanings of difference.
4	use appropriate mathematics to solve problems;
5	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.
6	gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions;
7	apply scientific and technical modes of inquiry, individually, and collaboratively, to critically evaluate existing or alternative explanations, solve problems, and make evidence-based decisions in an ethical manner;

	Outcome(s)
8	assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.
9	apply analytical skills to social phenomena in order to understand human behavior;
10	apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.
11	engage in ethical communication processes that accomplish goals;
12	respond to the needs of diverse audiences and contexts;
13	build and manage relationships.
14	read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences;
15	locate, evaluate, and ethically utilize information to communicate effectively;
16	demonstrate appropriate reasoning in response to complex issues.
17	formulate a problem statement;
18	determine the nature and extent of the information needed to address the problem;
19	access relevant information effectively and efficiently;
20	evaluate information and its source critically;
21	understand many of the economic, legal, and social issues surrounding the use of information.

Proposed Curriculum

Complete 90 credits from the following:

Foundational Skills

Writing

8 Credits

Information literacy will be included in the Writing Requirement

WR-121Z	Composition I	4.00
WR-122Z	Composition II	4.00
or WR-227Z	Technical Writing	

Oral Communication

1 Course

COMM-111Z	Public Speaking	4.00

Mathematics

1 Course

MTH-105Z	Math in Society	4.00
MTH-111Z	Precalculus I: Functions	4.00
MTH-112Z	Precalculus II: Trigonometry	4.00
MTH-211	Fundamentals of Elementary Math I	4.00
MTH-212	Fundamentals of Elementary Math II	4.00
MTH-213	Fundamentals of Elementary Math III	4.00
MTH-244	Statistics II	4.00
~~MTH-251~~	~~Differential Calculus~~	~~5.00~~
~~MTH-252~~	~~Integral Calculus~~	~~5.00~~
~~MTH-253~~	~~Calculus: Sequences and Series~~	~~5.00~~
MTH-251Z	Course MTH-251Z Not Found	4.00
MTH-252Z	Course MTH-252Z Not Found	4.00
MTH-253Z	Course MTH-253Z Not Found	4.00
MTH-254	Vector Calculus	5.00
MTH-256	Differential Equations	4.00
MTH-261	Linear Algebra	4.00
STAT-243Z	Elementary Statistics I	4.00

Health & Physical Education

At least 3 credits

HE-163	Body & Drugs I: Introduction to Abuse & Addiction	3.00
HE-164	Body & Drugs II: Alcohol	3.00
HE-201	Personal Training	3.00
HE-204	Nutrition & Weight Control	3.00

HE-207	Introduction to Plant Based Living	3.00
HE-223	Sports Nutrition	3.00
HE-249	Mental Health	3.00
HE-250	Personal Health	3.00
HE-252	First Aid/CPR/AED	3.00
HE-261	Community CPR	1.00
HE-263	Body & Drugs III: Marijuana	3.00
HE-264	Body & Drugs IV: Other Drugs, Other Addictions	3.00
HPE-295	Health & Fitness for Life	3.00
HPE-296	Health and Fitness for Criminal Justice	3.00
PE-185	Physical Education	1.00
PE-194	Professional Activities	1.00
PE-240	Strength & Conditioning Theory & Techniques	3.00
PE-260	Care and Prevention of Athletic Injuries	2.00
PE-270	Sport and Exercise Psychology	3.00
PE-294	Professional Activities	1.00
PE-294A	Philosophy of Coaching	2.00

General Education Distribution Areas

Arts & Letters

3 courses from 2 or more disciplines

Each course must be at least 3 credits

Arts & Letters Course List

ART-101	Art Appreciation	3.00
ART-115	Basic Design: 2-Dimensional Design	4.00
ART-117	Basic Design: 3-Dimensional Composition	4.00
ART-131	Introduction to Drawing	4.00
ART-204	History of Art/Ancient Through Medieval	4.00
ART-205	History of Art/Romanesque Through Baroque	4.00

ART-206	History of Art/Enlightenment Through Contemporary	4.00
ART-232	Life Drawing (Figure Emphasis)	4.00
ART-233	Drawing for Comics	4.00
ART-250	Ceramics/Beginning	4.00
ART-251	Ceramics/Hand-Building I	4.00
ART-252	Ceramics/Wheel-Throwing I	4.00
ART-253	Ceramics/Intermediate	4.00
ART-254	Ceramics/Hand-Building II	4.00
ART-255	Ceramics/Wheel-Throwing II	4.00
ART-257	Metalsmithing/Jewelry	4.00
ART-281	Painting: Still Life/Beginning	4.00
ART-282	Painting: The Figure/Beginning	4.00
ART-283	Painting: Landscapes/Beginning	4.00
ART-284	Painting: Still Life/Intermediate	4.00
ART-285	Painting: The Figure/Intermediate	4.00
ART-286	Painting: Landscapes/Intermediate	4.00
ART-291	Sculpture	4.00
ART-292	Sculpture (Figure Emphasis)	4.00
ART-293	Sculpture (Metal Emphasis)	4.00
ASL-201	Second-Year American Sign Language I	4.00
ASL-202	Second-Year American Sign Language II	4.00
ASL-203	Second-Year American Sign Language III	4.00
COMM-112	Persuasive Speaking	4.00
COMM-126	Intro to Communication, Gender, and Sexuality	4.00
COMM-140	Introduction to Intercultural Communication	4.00
COMM-212	Mass Media & Society	4.00
COMM-218Z	Interpersonal Communication	4.00
COMM-219	Small Group Discussion	4.00
COMM-227	Nonverbal Communication	4.00

ENG-104Z	Introduction to Fiction	4.00
ENG-105Z	Introduction to Drama	4.00
ENG-106Z	Introduction to Poetry	4.00
ENG-107	World Literature: Ancient Through Classical Times	4.00
ENG-108	World Literature: Early Middle Ages through the 18th Century	4.00
ENG-109	World Literature: The 19th through 21st Centuries	4.00
ENG-116	Introduction to Literature: Comics	4.00
ENG-121	Mystery Fiction	4.00
ENG-194	Introduction to Film	4.00
ENG-195	American Film	4.00
ENG-201	Shakespeare	4.00
ENG-202	Shakespeare	4.00
ENG-204	British Literature: Ancient to Enlightenment	4.00
ENG-205	British Literature: Romantic to Contemporary	4.00
ENG-213	U.S. Latinx Literature	4.00
ENG-218	Arthurian Literature	4.00
ENG-222	Children's and Young Adult Literature	4.00
ENG-226	Popular Literature	4.00
ENG-240	Native American Mythology	4.00
ENG-241	Norse Mythology	4.00
ENG-243	African Mythology	4.00
ENG-250	Greek Mythology	4.00
ENG-251	Celtic Mythology	4.00
ENG-252	Hindu Mythology	4.00
ENG-253	American Literature: Pre-Columbian to Civil War	4.00
ENG-254	American Literature: 1865 to Present	4.00
ENG-255	American Literature: Topics in American Literature	4.00
ENG-260	Introduction to Women Writers	4.00
ENG-261	Literature of Science Fiction	4.00

ENG-270	Introduction to Literary Criticism	4.00
ENG-271	World Literature: Ancient Through Classical Times	4.00
ENG-272	World Literature: Early Middle Ages through the 18th Century	4.00
ENG-273	World Literature: the 19th Through 21st Centuries	4.00
ENG-295	Revolutionary Film	4.00
ENG-296	Adaptation: Literature Into Film	4.00
FR-201	Second-Year French I	4.00
FR-202	Second-Year French II	4.00
FR-203	Second-Year French III	4.00
HUM-235	Perspectives on Terrorism	4.00
HUM-237	Perspectives on Democracy and Dialogue	4.00
J-211	Mass Media & Society	4.00
J-216	Writing for Media	4.00
MUS-105	Music Appreciation	3.00
MUS-111	Music Theory I	3.00
MUS-112	Music Theory I	3.00
MUS-113	Music Theory I	3.00
MUS-205	Music Literature: History of Jazz	4.00
MUS-206	Music Literature: History of Rock	4.00
MUS-211	Music Theory II	3.00
MUS-212	Music Theory II	3.00
MUS-213	Music Theory II	3.00
PHL-101	Philosophical Problems	4.00
PHL-102	Ethics	4.00
PHL-103	Critical Reasoning	4.00
PHL-205	Moral Issues	4.00
PHL-210	Philosophy of Religion	4.00
PHL-213	Asian Philosophy	4.00
PHL-216	Ancient Philosophy	4.00

R-101	Judaism and Foundations of Religion	4.00
R-102	Christianity and Islam	4.00
R-103	Asian Religions	4.00
R-204	History of Christianity	4.00
R-210	World Religions	4.00
R-211	History of the Old Testament	4.00
R-212	History of the New Testament	4.00
SPN-201	Second-Year Spanish I	4.00
SPN-202	Second-Year Spanish II	4.00
SPN-203	Second-Year Spanish III	4.00
SSC-237	Perspectives on Democracy and Dialogue	4.00
TA-101	Appreciation of Theatre	4.00
TA-102	Appreciation of Theatre	4.00
TA-103	Appreciation of Theatre	4.00
TA-111	Fundamentals of Technical Theatre	4.00
TA-122	Costuming II	3.00
TA-123	Costuming III	3.00
TA-141	Acting I	4.00
TA-142	Acting II	4.00
TA-143	Acting III	4.00
TA-153	Theatre Rehearsal & Performance	3.00
WR-240	Creative Nonfiction Writing I	4.00
WR-241	Fiction Writing I	4.00
WR-242	Poetry Writing I	4.00
WR-243	Playwriting I	4.00
WR-244	Fiction Writing II	4.00
WR-245	Poetry Writing II	4.00
WR-247	Playwriting II	4.00
WR-248	Publishing Literature: Editing and Marketing for Publication	4.00

WR-262	Introduction to Screenwriting	4.00
WR-263	Screenwriting II	4.00
WR-265	Digital Storytelling	4.00
WR-270	Creative Nonfiction Writing II: Food Writing	4.00
WS-101	Introduction to Women's Studies	4.00

Social Science

4 courses from 2 or more disciplines

Each course must be at least 3 credits

Social Science Course List

ANT-101	Biological Anthropology	4.00
ANT-102	Archaeology & Prehistory	4.00
ANT-103	Cultural Anthropology	4.00
ANT-232	Native Americans of North America	4.00
CJA-101	Criminology	4.00
CJA-201	Juvenile Delinquency	4.00
EC-200	Contemporary Economic Issues	4.00
~~EC-201~~	~~Principles of Microeconomics~~	~~4.00~~
~~EC-202~~	~~Principles of Macroeconomics~~	~~4.00~~
EC-201Z	Course EC-201Z Not Found	4.00
EC-202Z	Course EC-202Z Not Found	4.00
ES-101	Introduction to Ethnic Studies	4.00
ES-211	Introduction to Latino/a/x Studies	4.00
GEO-100	Introduction to Physical Geography	4.00
GEO-110	Cultural & Human Geography	4.00
GEO-130	Introduction to Environmental Geography	4.00
GEO-208	Geography of the United States & Canada	4.00
HST-101	History of Western Civilization	4.00
HST-102	History of Western Civilization	4.00
HST-103	History of Western Civilization	4.00

HST-131	History of Crime & Punishment in Western Civilization	4.00
HST-132	History of Language and the Written Word in Western Civilization	4.00
HST-136	History of Popular Culture, Entertainment & Sports in Western Civilization	4.00
HST-137	History of Science, Medicine, & Technology in Western Civilization	4.00
HST-201	History of the United States	4.00
HST-202	History of the United States	4.00
HST-203	History of the United States	4.00
HUM-237	Perspectives on Democracy and Dialogue	4.00
PS-200	Introduction to Political Science	4.00
PS-201	American Government and Politics	4.00
PS-203	State and Local Governments	4.00
PS-204	Introduction to Comparative Politics	4.00
PS-205	International Relations	4.00
PS-225	Introduction to Political Ideologies	4.00
PS-297	Introduction to Environmental Politics	4.00
PSY-201Z	Introduction to Psychology I	4.00
PSY-202Z	Introduction to Psychology II	4.00
PSY-215	Introduction to Developmental Psychology	4.00
PSY-219	Introduction to Psychological Disorders	4.00
PSY-231	Introduction to Human Sexuality	4.00
~~SOC-204~~	~~Introduction to Sociology~~	~~4.00~~
SOC-204Z	Course SOC-204Z Not Found	4.00
SOC-205	Social Stratification & Social Systems	4.00
~~SOC-206~~	~~Social Change and Institutions~~	~~4.00~~
SOC-205Z	Course SOC-205Z Not Found	4.00
SOC-206Z	Course SOC-206Z Not Found	4.00
SOC-210	Marriage, Family, & Intimate Relations	4.00
~~SOC-225~~	~~Social Problems~~	~~4.00~~
SSC-235	Perspectives on Terrorism	4.00

SSC-237	Perspectives on Democracy and Dialogue	4.00
WS-101	Introduction to Women's Studies	4.00

Science/Math/Computer Science

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

Science/Math/Computer Science Course List

ASC-175	Integrated Science Inquiry	4.00
ASC-176	Integrated Science Inquiry	4.00
ASC-177	Integrated Science Inquiry	4.00
BI-101	General Biology; Cellular Biology	4.00
BI-102	General Biology; Animal Systems	4.00
BI-103	General Biology; Plants & The Ecosystem	4.00
BI-112	General Biology for Health Sciences	4.00
BI-160	Bird Identification & Taxonomy	3.00
BI-160L	Bird Identification & Taxonomy with Lab	4.00
BI-165C	Natural History of the Oregon Coast	3.00
BI-165CL	Natural History of the Oregon Coast with Lab	4.00
BI-165D	Natural History of the Western Deserts	4.00
BI-175	Integrated Science Inquiry	4.00
BI-176	Integrated Science Inquiry	4.00
BI-177	Integrated Science Inquiry	4.00
BI-204	Elementary Microbiology	4.00
~~BI-211~~	~~Principles of Biology: Cells~~	~~5.00~~
~~BI-212~~	~~Principles of Biology: Organisms~~	~~5.00~~
~~BI-213~~	~~Principles of Biology: Ecology and Evolution~~	~~5.00~~
BI-221Z	Course BI-221Z Not Found	5.00
BI-222Z	Course BI-222Z Not Found	5.00
BI-223Z	Course BI-223Z Not Found	5.00
BI-231	Human Anatomy & Physiology I	4.00

BI-232	Human Anatomy & Physiology II	4.00
BI-233	Human Anatomy & Physiology III	4.00
BI-234	Introductory Microbiology	4.00
CH-104	Introductory Chemistry	5.00
CH-105	Introductory Chemistry	5.00
CH-106	Introductory Chemistry	5.00
CH-112	Chemistry for Health Sciences	4.00
CH-114	Chemistry in Art	4.00
CH-221	General Chemistry	5.00
CH-222	General Chemistry	5.00
CH-223	General Chemistry	5.00
ESR-171	Introduction to Environmental Science	4.00
ESR-172	Introduction to Climate Change	4.00
ESR-173	Introduction to Sustainability	4.00
G-101	General Geology	4.00
G-102	General Geology	4.00
G-103	General Geology	4.00
G-148	Volcanoes & Earthquakes	4.00
G-201	General Geology	4.00
G-202	General Geology	4.00
G-203	General Geology	4.00
GS-104	Earth System Science	4.00
GS-105	Earth System Science	4.00
GS-106	Earth System Science	4.00
GS-107	Astronomy	4.00
MTH-105Z	Math in Society	4.00
MTH-108	Data Science Explorations	4.00
MTH-111Z	Precalculus I: Functions	4.00
MTH-112Z	Precalculus II: Trigonometry	4.00

MTH-211	Fundamentals of Elementary Math I	4.00
MTH-212	Fundamentals of Elementary Math II	4.00
MTH-213	Fundamentals of Elementary Math III	4.00
MTH-244	Statistics II	4.00
~~MTH-251~~	~~Differential Calculus~~	~~5.00~~
~~MTH-252~~	~~Integral Calculus~~	~~5.00~~
~~MTH-253~~	~~Calculus: Sequences and Series~~	~~5.00~~
MTH-251Z	Course MTH-251Z Not Found	4.00
MTH-252Z	Course MTH-252Z Not Found	4.00
MTH-253Z	Course MTH-253Z Not Found	4.00
MTH-254	Vector Calculus	5.00
MTH-256	Differential Equations	4.00
MTH-261	Linear Algebra	4.00
PH-121	Astronomy	4.00
PH-122	General Astronomy	4.00
PH-123	General Astronomy	4.00
PH-201	General Physics	5.00
PH-202	General Physics	5.00
PH-203	General Physics	5.00
PH-211	General Physics With Calculus	5.00
PH-212	General Physics With Calculus	5.00
PH-213	General Physics With Calculus	5.00
STAT-243Z	Elementary Statistics I	4.00
Z-201	General Zoology	4.00
Z-202	General Zoology	4.00
Z-203	General Zoology	4.00

Cultural Literacy

1 Course

Cultural Literacy Course List

ANT-102	Archaeology & Prehistory	4.00
ANT-103	Cultural Anthropology	4.00
ANT-232	Native Americans of North America	4.00
ART-204	History of Art/Ancient Through Medieval	4.00
ART-205	History of Art/Romanesque Through Baroque	4.00
ART-206	History of Art/Enlightenment Through Contemporary	4.00
ASL-201	Second-Year American Sign Language I	4.00
ASL-202	Second-Year American Sign Language II	4.00
ASL-203	Second-Year American Sign Language III	4.00
COMM-126	Intro to Communication, Gender, and Sexuality	4.00
COMM-140	Introduction to Intercultural Communication	4.00
COMM-218Z	Interpersonal Communication	4.00
COMM-219	Small Group Discussion	4.00
ENG-107	World Literature: Ancient Through Classical Times	4.00
ENG-108	World Literature: Early Middle Ages through the 18th Century	4.00
ENG-109	World Literature: The 19th through 21st Centuries	4.00
ENG-213	U.S. Latinx Literature	4.00
ENG-240	Native American Mythology	4.00
ENG-241	Norse Mythology	4.00
ENG-243	African Mythology	4.00
ENG-250	Greek Mythology	4.00
ENG-251	Celtic Mythology	4.00
ENG-252	Hindu Mythology	4.00
ENG-261	Literature of Science Fiction	4.00
ENG-271	World Literature: Ancient Through Classical Times	4.00
ENG-272	World Literature: Early Middle Ages through the 18th Century	4.00
ENG-273	World Literature: the 19th Through 21st Centuries	4.00
ENG-295	Revolutionary Film	4.00
ES-211	Introduction to Latino/a/x Studies	4.00

FR-201	Second-Year French I	4.00
FR-202	Second-Year French II	4.00
FR-203	Second-Year French III	4.00
GEO-100	Introduction to Physical Geography	4.00
GEO-110	Cultural & Human Geography	4.00
GEO-130	Introduction to Environmental Geography	4.00
GEO-208	Geography of the United States & Canada	4.00
HST-101	History of Western Civilization	4.00
HST-102	History of Western Civilization	4.00
HST-103	History of Western Civilization	4.00
HST-131	History of Crime & Punishment in Western Civilization	4.00
HST-132	History of Language and the Written Word in Western Civilization	4.00
HST-136	History of Popular Culture, Entertainment & Sports in Western Civilization	4.00
HST-137	History of Science, Medicine, & Technology in Western Civilization	4.00
HST-201	History of the United States	4.00
HST-202	History of the United States	4.00
HST-203	History of the United States	4.00
HUM-235	Perspectives on Terrorism	4.00
HUM-237	Perspectives on Democracy and Dialogue	4.00
MUS-206	Music Literature: History of Rock	4.00
PHL-101	Philosophical Problems	4.00
PHL-102	Ethics	4.00
PHL-103	Critical Reasoning	4.00
PHL-205	Moral Issues	4.00
PHL-210	Philosophy of Religion	4.00
PHL-213	Asian Philosophy	4.00
PHL-216	Ancient Philosophy	4.00
PS-200	Introduction to Political Science	4.00
PSY-202Z	Introduction to Psychology II	4.00

PSY-219	Introduction to Psychological Disorders	4.00
PSY-231	Introduction to Human Sexuality	4.00
R-101	Judaism and Foundations of Religion	4.00
R-102	Christianity and Islam	4.00
R-103	Asian Religions	4.00
R-204	History of Christianity	4.00
R-210	World Religions	4.00
R-211	History of the Old Testament	4.00
R-212	History of the New Testament	4.00
~~SOC-204~~	~~Introduction to Sociology~~	~~4.00~~
SOC-204Z	Course SOC-204Z Not Found	4.00
SOC-205	Social Stratification & Social Systems	4.00
~~SOC-206~~	~~Social Change and Institutions~~	~~4.00~~
SOC-205Z	Course SOC-205Z Not Found	4.00
SOC-206Z	Course SOC-206Z Not Found	4.00
SOC-210	Marriage, Family, & Intimate Relations	4.00
~~SOC-225~~	~~Social Problems~~	~~4.00~~
SPN-201	Second-Year Spanish I	4.00
SPN-202	Second-Year Spanish II	4.00
SPN-203	Second-Year Spanish III	4.00
SSC-235	Perspectives on Terrorism	4.00
SSC-237	Perspectives on Democracy and Dialogue	4.00
WR-241	Fiction Writing I	4.00
WR-244	Fiction Writing II	4.00
WS-101	Introduction to Women's Studies	4.00

Other Requirements

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 the Elective Course List for courses that may be included

Notes

All courses must be passed with a C or better

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

Reviewer

Comments

Key: 7

Program Change Request

Date Submitted: 03/24/25 12:17 pm

Viewing: AGS.GENERAL : Associate of General Studies

Last approved: 02/07/25 8:40 am

Last edit: 03/24/25 2:19 pm

Changes proposed by: Megan Feagles (megan.feagles)

Catalog Pages Using this Program

Associate of General Studies (AGS)

No Longer Offered

Rationale for

Change Type

College Council Review

No

Program Contact Information

Are you the Faculty Contact Person?

Faculty Contact Email

In Workflow

1. **Curriculum Office**
2. Curriculum Committee Approval

History

1. Oct 6, 2022 by clmig-kxayasene
2. Jan 5, 2023 by Megan Feagles (megan.feagles)
3. Jan 5, 2023 by Megan Feagles (megan.feagles)
4. Jan 5, 2023 by Megan Feagles (megan.feagles)
5. Jan 17, 2023 by Megan Feagles (megan.feagles)
6. Jan 24, 2023 by Megan Feagles (megan.feagles)
7. Jan 25, 2023 by Megan Feagles (megan.feagles)
8. Feb 16, 2023 by Megan Feagles (megan.feagles)
9. Apr 18, 2023 by Megan Feagles (megan.feagles)
10. Jun 5, 2023 by Megan Feagles (megan.feagles)

11. Feb 16, 2024 by Megan Feagles (megan.feagles)
12. Mar 15, 2024 by Megan Feagles (megan.feagles)
13. Mar 15, 2024 by Megan Feagles (megan.feagles)
14. Mar 15, 2024 by Megan Feagles (megan.feagles)
15. Apr 5, 2024 by Megan Feagles (megan.feagles)
16. May 17, 2024 by Megan Feagles (megan.feagles)
17. Jun 7, 2024 by Megan Feagles (megan.feagles)
18. Jun 10, 2024 by Megan Feagles (megan.feagles)
19. Jan 17, 2025 by Dustin Bare (dbare)
20. Feb 7, 2025 by Megan Feagles (megan.feagles)

Program Overview

Name of Proposed Program

Associate of General Studies

Program Code AGS.GENERAL

Award (CCWD)

Associate of General Studies (90-108 credits) (AGS)

Type of Program (CCC)	Associate of General Studies (AGS)
Educational Focus Area	
Effective Catalog Edition	2025-2026
Career Area	Arts, Information, and Communications
Department	Arts and Sciences
Division	Arts and Sciences

Other locations (institutions) this Program will be offered

CIP Code	24.0101 - Liberal Arts and Sciences/Liberal Studies.

Program Description

Labor Market Need

Target Population

Program Award Information

Program Learning Outcomes (PLOs)

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

Describe revenues associated
New Courses
Additional Sections
Additional Faculty
Please explain the need for new physi
Please explain how the current physic
Please explain the need for new or ex
Please explain how the current Stude

Describe other expenses

Financial Assistance Options Sough for and/or Approved for the Program

Federal Financial Aid Options

Describe

Workforce Investment Act – Individua

Program Approval Standards

Standard A: Need – The community or

Proposed Curriculum

Complete 90 credits from the following:

Foundational Skills

Writing

1 Course

WR-101	Workplace Writing	4.00
WR-121Z	Composition I	4.00
WR-122Z	Composition II	4.00
WR-227Z	Technical Writing	4.00

Communications

1 Course

COMM-100Z	Introduction to Communication	4.00
COMM-111Z	Public Speaking	4.00
COMM-112	Persuasive Speaking	4.00
COMM-126	Intro to Communication, Gender, and Sexuality	4.00
COMM-140	Introduction to Intercultural Communication	4.00
COMM-212	Mass Media & Society	4.00

COMM-218Z	Interpersonal Communication	4.00
COMM-219	Small Group Discussion	4.00
COMM-227	Nonverbal Communication	4.00

Mathematics

1 Course

MTH-050	Technical Mathematics I	4.00
MTH-065	Algebra II	4.00
MTH-080	Technical Mathematics II	3.00
MTH-095	Algebra III	4.00
MTH-098	College Math Foundations	4.00
MTH-105Z	Math in Society	4.00

Higher Level Math or Statistics

Health & Physical Education

1 Course

Any 100-level course or above from the Physical Education/Health/Safety/First Aid Related Instruction list

General Education Distribution Areas

Arts & Letters

1 course

Course must be at least 3 credits

Arts & Letters Course List

ART-101	Art Appreciation	3.00
ART-115	Basic Design: 2-Dimensional Design	4.00
ART-117	Basic Design: 3-Dimensional Composition	4.00
ART-131	Introduction to Drawing	4.00
ART-204	History of Art/Ancient Through Medieval	4.00
ART-205	History of Art/Romanesque Through Baroque	4.00
ART-206	History of Art/Enlightenment Through Contemporary	4.00
ART-232	Life Drawing (Figure Emphasis)	4.00

ART-233	Drawing for Comics	4.00
ART-250	Ceramics/Beginning	4.00
ART-251	Ceramics/Hand-Building I	4.00
ART-252	Ceramics/Wheel-Throwing I	4.00
ART-253	Ceramics/Intermediate	4.00
ART-254	Ceramics/Hand-Building II	4.00
ART-255	Ceramics/Wheel-Throwing II	4.00
ART-257	Metalsmithing/Jewelry	4.00
ART-281	Painting: Still Life/Beginning	4.00
ART-282	Painting: The Figure/Beginning	4.00
ART-283	Painting: Landscapes/Beginning	4.00
ART-284	Painting: Still Life/Intermediate	4.00
ART-285	Painting: The Figure/Intermediate	4.00
ART-286	Painting: Landscapes/Intermediate	4.00
ART-291	Sculpture	4.00
ART-292	Sculpture (Figure Emphasis)	4.00
ART-293	Sculpture (Metal Emphasis)	4.00
ASL-201	Second-Year American Sign Language I	4.00
ASL-202	Second-Year American Sign Language II	4.00
ASL-203	Second-Year American Sign Language III	4.00
COMM-112	Persuasive Speaking	4.00
COMM-126	Intro to Communication, Gender, and Sexuality	4.00
COMM-140	Introduction to Intercultural Communication	4.00
COMM-212	Mass Media & Society	4.00
COMM-218Z	Interpersonal Communication	4.00
COMM-219	Small Group Discussion	4.00
COMM-227	Nonverbal Communication	4.00
ENG-104Z	Introduction to Fiction	4.00
ENG-105Z	Introduction to Drama	4.00

ENG-106Z	Introduction to Poetry	4.00
ENG-107	World Literature: Ancient Through Classical Times	4.00
ENG-108	World Literature: Early Middle Ages through the 18th Century	4.00
ENG-109	World Literature: The 19th through 21st Centuries	4.00
ENG-116	Introduction to Literature: Comics	4.00
ENG-121	Mystery Fiction	4.00
ENG-194	Introduction to Film	4.00
ENG-195	American Film	4.00
ENG-201	Shakespeare	4.00
ENG-202	Shakespeare	4.00
ENG-204	British Literature: Ancient to Enlightenment	4.00
ENG-205	British Literature: Romantic to Contemporary	4.00
ENG-213	U.S. Latinx Literature	4.00
ENG-218	Arthurian Literature	4.00
ENG-222	Children's and Young Adult Literature	4.00
ENG-226	Popular Literature	4.00
ENG-240	Native American Mythology	4.00
ENG-241	Norse Mythology	4.00
ENG-243	African Mythology	4.00
ENG-250	Greek Mythology	4.00
ENG-251	Celtic Mythology	4.00
ENG-252	Hindu Mythology	4.00
ENG-253	American Literature: Pre-Columbian to Civil War	4.00
ENG-254	American Literature: 1865 to Present	4.00
ENG-255	American Literature: Topics in American Literature	4.00
ENG-260	Introduction to Women Writers	4.00
ENG-261	Literature of Science Fiction	4.00
ENG-270	Introduction to Literary Criticism	4.00
ENG-271	World Literature: Ancient Through Classical Times	4.00

ENG-272	World Literature: Early Middle Ages through the 18th Century	4.00
ENG-273	World Literature: the 19th Through 21st Centuries	4.00
ENG-295	Revolutionary Film	4.00
ENG-296	Adaptation: Literature Into Film	4.00
FR-201	Second-Year French I	4.00
FR-202	Second-Year French II	4.00
FR-203	Second-Year French III	4.00
HUM-235	Perspectives on Terrorism	4.00
HUM-237	Perspectives on Democracy and Dialogue	4.00
J-211	Mass Media & Society	4.00
J-216	Writing for Media	4.00
MUS-105	Music Appreciation	3.00
MUS-111	Music Theory I	3.00
MUS-112	Music Theory I	3.00
MUS-113	Music Theory I	3.00
MUS-205	Music Literature: History of Jazz	4.00
MUS-206	Music Literature: History of Rock	4.00
MUS-211	Music Theory II	3.00
MUS-212	Music Theory II	3.00
MUS-213	Music Theory II	3.00
PHL-101	Philosophical Problems	4.00
PHL-102	Ethics	4.00
PHL-103	Critical Reasoning	4.00
PHL-205	Moral Issues	4.00
PHL-210	Philosophy of Religion	4.00
PHL-213	Asian Philosophy	4.00
PHL-216	Ancient Philosophy	4.00
R-101	Judaism and Foundations of Religion	4.00
R-102	Christianity and Islam	4.00

R-103	Asian Religions	4.00
R-204	History of Christianity	4.00
R-210	World Religions	4.00
R-211	History of the Old Testament	4.00
R-212	History of the New Testament	4.00
SPN-201	Second-Year Spanish I	4.00
SPN-202	Second-Year Spanish II	4.00
SPN-203	Second-Year Spanish III	4.00
SSC-237	Perspectives on Democracy and Dialogue	4.00
TA-101	Appreciation of Theatre	4.00
TA-102	Appreciation of Theatre	4.00
TA-103	Appreciation of Theatre	4.00
TA-111	Fundamentals of Technical Theatre	4.00
TA-122	Costuming II	3.00
TA-123	Costuming III	3.00
TA-141	Acting I	4.00
TA-142	Acting II	4.00
TA-143	Acting III	4.00
TA-153	Theatre Rehearsal & Performance	3.00
WR-240	Creative Nonfiction Writing I	4.00
WR-241	Fiction Writing I	4.00
WR-242	Poetry Writing I	4.00
WR-243	Playwriting I	4.00
WR-244	Fiction Writing II	4.00
WR-245	Poetry Writing II	4.00
WR-247	Playwriting II	4.00
WR-248	Publishing Literature: Editing and Marketing for Publication	4.00
WR-262	Introduction to Screenwriting	4.00
WR-263	Screenwriting II	4.00

WR-265	Digital Storytelling	4.00
WR-270	Creative Nonfiction Writing II: Food Writing	4.00
WS-101	Introduction to Women's Studies	4.00

Social Science

1 course

Each course must be at least 3 credits

Social Science Course List

ANT-101	Biological Anthropology	4.00
ANT-102	Archaeology & Prehistory	4.00
ANT-103	Cultural Anthropology	4.00
ANT-232	Native Americans of North America	4.00
CJA-101	Criminology	4.00
CJA-201	Juvenile Delinquency	4.00
EC-200	Contemporary Economic Issues	4.00
~~EC-201~~	~~Principles of Microeconomics~~	~~4.00~~
~~EC-202~~	~~Principles of Macroeconomics~~	~~4.00~~
EC-201Z	Course EC-201Z Not Found	4.00
EC-202Z	Course EC-202Z Not Found	4.00
ES-101	Introduction to Ethnic Studies	4.00
ES-211	Introduction to Latino/a/x Studies	4.00
GEO-100	Introduction to Physical Geography	4.00
GEO-110	Cultural & Human Geography	4.00
GEO-130	Introduction to Environmental Geography	4.00
GEO-208	Geography of the United States & Canada	4.00
HST-101	History of Western Civilization	4.00
HST-102	History of Western Civilization	4.00
HST-103	History of Western Civilization	4.00
HST-131	History of Crime & Punishment in Western Civilization	4.00
HST-132	History of Language and the Written Word in Western Civilization	4.00

HST-136	History of Popular Culture, Entertainment & Sports in Western Civilization	4.00
HST-137	History of Science, Medicine, & Technology in Western Civilization	4.00
HST-201	History of the United States	4.00
HST-202	History of the United States	4.00
HST-203	History of the United States	4.00
HUM-237	Perspectives on Democracy and Dialogue	4.00
PS-200	Introduction to Political Science	4.00
PS-201	American Government and Politics	4.00
PS-203	State and Local Governments	4.00
PS-204	Introduction to Comparative Politics	4.00
PS-205	International Relations	4.00
PS-225	Introduction to Political Ideologies	4.00
PS-297	Introduction to Environmental Politics	4.00
PSY-201Z	Introduction to Psychology I	4.00
PSY-202Z	Introduction to Psychology II	4.00
PSY-215	Introduction to Developmental Psychology	4.00
PSY-219	Introduction to Psychological Disorders	4.00
PSY-231	Introduction to Human Sexuality	4.00
~~SOC-204~~	~~Introduction to Sociology~~	~~4.00~~
SOC-204Z	Course SOC-204Z Not Found	4.00
SOC-205	Social Stratification & Social Systems	4.00
~~SOC-206~~	~~Social Change and Institutions~~	~~4.00~~
SOC-205Z	Course SOC-205Z Not Found	4.00
SOC-206Z	Course SOC-206Z Not Found	4.00
SOC-210	Marriage, Family, & Intimate Relations	4.00
~~SOC-225~~	~~Social Problems~~	~~4.00~~
SSC-235	Perspectives on Terrorism	4.00
SSC-237	Perspectives on Democracy and Dialogue	4.00
WS-101	Introduction to Women's Studies	4.00

Science/Math/Computer Science

1 course

Each course must be at least 3 credits

Science/Math/Computer Science Course List

ASC-175	Integrated Science Inquiry	4.00
ASC-176	Integrated Science Inquiry	4.00
ASC-177	Integrated Science Inquiry	4.00
BI-101	General Biology; Cellular Biology	4.00
BI-102	General Biology; Animal Systems	4.00
BI-103	General Biology; Plants & The Ecosystem	4.00
BI-112	General Biology for Health Sciences	4.00
BI-160	Bird Identification & Taxonomy	3.00
BI-160L	Bird Identification & Taxonomy with Lab	4.00
BI-165C	Natural History of the Oregon Coast	3.00
BI-165CL	Natural History of the Oregon Coast with Lab	4.00
BI-165D	Natural History of the Western Deserts	4.00
BI-175	Integrated Science Inquiry	4.00
BI-176	Integrated Science Inquiry	4.00
BI-177	Integrated Science Inquiry	4.00
BI-204	Elementary Microbiology	4.00
~~BI-211~~	~~Principles of Biology: Cells~~	~~5.00~~
~~BI-212~~	~~Principles of Biology: Organisms~~	~~5.00~~
~~BI-213~~	~~Principles of Biology: Ecology and Evolution~~	~~5.00~~
BI-221Z	Course BI-221Z Not Found	5.00
BI-222Z	Course BI-222Z Not Found	5.00
BI-223Z	Course BI-223Z Not Found	5.00
BI-231	Human Anatomy & Physiology I	4.00
BI-232	Human Anatomy & Physiology II	4.00

BI-233	Human Anatomy & Physiology III	4.00
BI-234	Introductory Microbiology	4.00
CH-104	Introductory Chemistry	5.00
CH-105	Introductory Chemistry	5.00
CH-106	Introductory Chemistry	5.00
CH-112	Chemistry for Health Sciences	4.00
CH-114	Chemistry in Art	4.00
CH-221	General Chemistry	5.00
CH-222	General Chemistry	5.00
CH-223	General Chemistry	5.00
ESR-171	Introduction to Environmental Science	4.00
ESR-172	Introduction to Climate Change	4.00
ESR-173	Introduction to Sustainability	4.00
G-101	General Geology	4.00
G-102	General Geology	4.00
G-103	General Geology	4.00
G-148	Volcanoes & Earthquakes	4.00
G-201	General Geology	4.00
G-202	General Geology	4.00
G-203	General Geology	4.00
GS-104	Earth System Science	4.00
GS-105	Earth System Science	4.00
GS-106	Earth System Science	4.00
GS-107	Astronomy	4.00
MTH-105Z	Math in Society	4.00
MTH-108	Data Science Explorations	4.00
MTH-111Z	Precalculus I: Functions	4.00
MTH-112Z	Precalculus II: Trigonometry	4.00
MTH-211	Fundamentals of Elementary Math I	4.00

MTH-212	Fundamentals of Elementary Math II	4.00
MTH-213	Fundamentals of Elementary Math III	4.00
MTH-244	Statistics II	4.00
~~MTH-251~~	~~Differential Calculus~~	~~5.00~~
~~MTH-252~~	~~Integral Calculus~~	~~5.00~~
~~MTH-253~~	~~Calculus: Sequences and Series~~	~~5.00~~
MTH-251Z	Course MTH-251Z Not Found	4.00
MTH-252Z	Course MTH-252Z Not Found	4.00
MTH-253Z	Course MTH-253Z Not Found	4.00
MTH-254	Vector Calculus	5.00
MTH-256	Differential Equations	4.00
MTH-261	Linear Algebra	4.00
PH-121	Astronomy	4.00
PH-122	General Astronomy	4.00
PH-123	General Astronomy	4.00
PH-201	General Physics	5.00
PH-202	General Physics	5.00
PH-203	General Physics	5.00
PH-211	General Physics With Calculus	5.00
PH-212	General Physics With Calculus	5.00
PH-213	General Physics With Calculus	5.00
STAT-243Z	Elementary Statistics I	4.00
Z-201	General Zoology	4.00
Z-202	General Zoology	4.00
Z-203	General Zoology	4.00

Other Requirements

Other College-level Courses

Any college-level course that would bring total credits to 90 credits

Notes

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

Reviewer

Comments

Key: 8