

	Presenter	Action
1. Welcome and Introductions	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. New Course a. HOR-118 b. AS Engineering OS Amendments a. AS, Architectural Engineering, OSU b. AS, Biological Engineering, OSU c. AS, Chemical Engineering, OSU d. AS, Civil Engineering, OSU e. AS, Ecological Engineering, OSU f. AS, Electrical Engineering, OSU g. AS, Environmental Engineering, OSU	April Chastain Eric Lee	Approval/24.WI Approval/24.SU
5. Old Business a.		
6. New Business a.		
7. Closing Comments		

Present: Nora Brodnicki, Armetta Burney, Debra Carino, Virginia Chambers, Amanda Coffey, Juan Cortes, Sue Goff, Erin Gravelle, Kari Hiatt, Kerrie Hughes (Chair), Jason Kovac, Eric Lee, Kara Leonard, Mike Mattson, Patricia McFarland, Kelly Mercer, Deanna Myers, Tracy Nelson, David Plotkin, Lisa Reynolds, Terrie Sanne, Charles Siegfried, Aundrea Snitker, Tara Sprehe, Sarah Steidl, Chris Sweet, Dru Urbassik, Andrea Vergun

Guests:

Absent: ASG, Dustin Bare, Elizabeth Carney, Jordan Gulley, Megan Feagles, Dawn Hendricks, Gentiana Loeffler, Chris Sweet, Wryann Van Riper

1. Welcome & Introductions

2. Approval of Minutes

- a. Approval of the November 3, 2023 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

5. Old Business

- a. CourseLeaf Check-In
 - i. Dru Urbassik presented
 - 1. How are things going?
 - 2. There was a training session on 11/16 for curriculum building in Program Management
 - a. A recording of the session is on the f:drive under Temporary>Courseleaf
 - 3. Catalog dates have been sent to departments
 - a. A training session for making edits within CourseLeaf CAT will be held on 11/29 from 10:30am-12:00pm

6. New Business

- a.

7. Closing Comments

- a. Student Learning Outcome (SLO) review resources are posted on the Curriculum Committee website under Additional Documents

-Meeting Adjourned-

Next Meeting: December 1, 2023 (8-9:30am)

1. Course Title Change

Course	Current Title	Proposed Title
HOR-250	Herb Growing and Gardening	Organic Herb Growing

2. Course Number Change

Course	Title	Proposed Course Number

3. Outlines Reviewed for Approval

Course	Title	Implementation
ART-204	History of Art/Ancient Through Medieval	2024/WI
BA-206	Management Fundamentals	2024/WI
HOR-250	Organic Herb Growing	2024/WI

Course Change Request

Date Submitted: 11/17/23 8:40 am

Viewing: **ART-204 : History of Art/Ancient Through Medieval**

Last approved: 10/04/23 4:43 am

Last edit: 11/21/23 6:31 am

Changes proposed by: Nora Brodnicki (norab)

In Workflow

1. Curriculum
2. DASC Curr Committee Review Te
3. Curriculum
4. Curriculum Committee Approval
5. Colleague

Approval P:

1. 11/17/23 : Megan Fea (megan.fea) Approved Curriculum
2. 11/20/23 : Deanna M (deanna.m) Approved Curriculum Committee Review Te

History

1. Oct 4, 202 Megan Fea (megan.fea)

Catalog Pages [Art \(ART\)](#)
referencing this course

Programs [AS.OSUINDMFGENG: AS, Industrial/Manufacturing Engineering, OSU](#)
referencing this course [AS.OSUBIOLENGR: AS, Biological Engineering, OSU](#)
[AS.OSUSMECHENGR: AS, Mechanical Engineering, OSU](#)
[AS.PSUMECHENGR: AS, Mechanical Engineering, PSU](#)
[AAS.MICROSYSTECH: Microelectronics Systems Technology](#)
[AS.PSUMUSIC: AS, Music, PSU](#)
[AS.TBIOLOGY: Biology \(AST\)](#)
[AS.OSUBIOLOGY: AS, Biology, OSU](#)
[NA.OTM: Oregon Transfer Module](#)
[AS.OTBUSINESS: Business \(ASOT\)](#)
[AS.TCOMPSCIENGR, AS.TCOMPSCIOSPSUO: Computer Science \(AST\)](#)
[AS.TBUSINESS: Business \(AST\)](#)
[AS.OSUCHEMENGR: AS, Chemical Engineering, OSU](#)
[AS.OSUCIVILENGR: AS, Civil Engineering, OSU](#)
[AS.PSUCIVILENGR: AS, Civil Engineering, PSU](#)
[AS.PSUCOMPENGR: AS, Computer Engineering, PSU](#)
[AS.OTCOMPSCIENCE: Computer Science \(ASOT\)](#)
[AS.OSUCONENRMGT: AS, Construction Engineering Management, OSU](#)
[AS.OSUECOLENGR: AS, Ecological Engineering, OSU](#)
[AS.OSUELECTENGR: AS, Electrical Engineering, OSU](#)
[AS.PSUELECTENGR: AS, Electrical Engineering, PSU](#)
[AAS.ELECTRONENGTECH: Electronics Engineering Technology](#)
[AA.OREGONTRANSFER: Associate of Arts Oregon Transfer \(AAOT\)](#)
[AA.OTELEMED: Elementary Education \(AAOT\)](#)
[AGS.GENERAL: Associate of General Studies](#)
[AS.OSUENVIRENGR: AS, Environmental Engineering, OSU](#)
[AS.PSUENVIRENGR: AS, Environmental Engineering, PSU](#)
[AS.OSUGENHORT: AS, Horticulture, OSU](#)

Credits/Hours/Instructional Method Change

Is Topic Shell Course?

Are you the Faculty Contact Person?

Yes

Course Prefix ART - Art

Course Number 204

Department Art

Division Arts and Sciences

Course Title History of Art/Ancient Through Medieval

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	Winter 2024

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

Examines art, cultures, and history from the Paleolithic era through the early Medieval eras. This is a broad overview of art history that promotes an understanding of art and its history through readings, [discussion](#), [lectures](#), papers and exams.

Type of Course (ACTI Code)

100 - Lower Division Collegiate

Select 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

Corequisites

Prerequisites or Corequisites

Recommended

Prerequisites

Placement ~~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?

Fall

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?

No

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

No

General Education Outcome(s)

Arts & Letters

Cultural Literacy

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 human culture and history in the context of art history. (A11)(A12)(C11)

1	describe human culture and history in the context of art history; (AL1)(AL2)(CL1)
2	identify the various interpretations of art works; (AL1)
3	identify and analyze art and artistic styles; (AL1)(CL1)
4	demonstrate a visual literacy and begin to recognize symbols and iconography in art; (CL1)
5	recognize formal elements and historical patterns from the Paleolithic through the early Medieval period in art history; (AL1)(AL2)(CL1)
6	research and write about artworks and their social, historical context and meaning; <u>(AL1)(AL2)(CL1)</u>
7	define art terminology.

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. S

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

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.

AL: Arts and Letters Outcomes

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

Critically analyze values and ethics within range of human experience and expression to engage more fully in local and global issues. S

Outcome Assessment Strategies

Outcomes Assessment Strategies

Presentations

Writing Assignments

Major Topic Outline 1. Paleolithic/Neolithic Art. 2. Ancient Near Eastern Art. 3. Ancient Egyptian Art. 4. Ancient art from Asia. 5. Ancient art from Africa. 6. Greek and Aegean Art. 7. Etruscan/Roman Art. 8. Early Judaic/Christian/Byzantine ~~Christian/Byzantine~~ Art. 9. Early Medieval art.

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)
ART 204

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

see websites

OUS school to which the course will transfer

OIT - Oregon Institute of Technology

Comparable course(s)
ART 204

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

see websites

OUS school to which the course will transfer

OSU - Oregon State University

Comparable course(s)
ART 204

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

see websites

OIS school to which the course will transfer

OUS school to which the course will transfer

PSU - Portland State University

Comparable course(s)
ART 204

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

see websites

OUS school to which the course will transfer

SOU - Southern Oregon University

Comparable course(s)
ART 204

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

see websites

OUS school to which the course will transfer

UO - University of Oregon

Comparable course(s)
ART 204

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

see websites

OUS school to which the course will transfer

WOU - Western Oregon University

Comparable course(s)
ART 204

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
see websites

Please attach documentation

Reviewer Comments

Course Change Request

Date Submitted: 11/09/23 10:31 am

Viewing: **BA-206 : Management Fundamentals**

Last approved: 11/07/23 4:59 am

Last edit: 11/09/23 10:47 am

Changes proposed by: Sharon Parker (sharonp)

Catalog Pages referencing this course [Business Administration \(BA\)](#)

Programs referencing this course [CC.RETAILMGTL1Y: Retail Management](#)
[CC.BUSMANAGEMENT: Business Management](#)
[AAS.BUSINESS: Business](#)
[CC.FIRSTLINEFUND: First-Line Supervisor Fundamentals](#)

Credits/Hours/Instructional Method Change

Is Topic Shell Course?

Are you the Faculty Contact Person?

Yes

Course Prefix BA - Business Administration

Course Number 206

Department Business

Division Arts and Sciences

Course Title Management Fundamentals

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

In

1.

2.

3.

4.

5.

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1.

2.

3.

Hi

1.

Seminar

Community
Education/Drivers
Ed

Community
Education/Adult

Total 44

Proposed Effective Winter 2024
Term

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

Concepts and theories of management with focus on planning, organizing, leading, and controlling. Decision making, planning principles, global management, managing people and teams, effective communication, and motivation are included.

Type of Course (ACTI Code)

100 - Lower Division Collegiate

Select one of the following:

Elective Only

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Course Requisites

Required

Prerequisites [WRD-090 or placement in WRD-098 BA-101, BA-251, and WRD-098, or Student Petition](#)

Corequisites

Prerequisites or Corequisites

Recommended

Prerequisites

[BA-101 and BA-251](#)

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 Winter/Spring

Will this class use library resources?

No

Course Certifications

Is this a Related Instruction course?

No

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	demonstrate an understanding of the functions of leading, planning, organizing, and controlling in an organization;
2	demonstrate an understanding of theories/concepts related to the topics of ethics, social responsibility, global management, decision making, change management, motivation, diversity, organizational culture, organizational structure, teamwork, communication, and/or employee performance management;
3	demonstrate an understanding of the various historical and contemporary management and leadership theories.

Major Topic Outline 1. History of Management 2. Ethics and Social Responsibility 3. Decision Making 4. Planning 5. Strategic Management 6. Global Management 7. Organizational Culture & Structure 8. Organizational Change & Innovation 9. Human Resource Management 10. Managing Diversity 11. Managing & Motivating Individuals 12. Managing Groups & Teams 13. Leadership 14. Controls 15. Interpersonal & Organizational Communication

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

OIT - Oregon Institute of Technology

Comparable course(s) BUS215 Oregon Institute of Technology BA374 (Southern Oregon University) BA321 (Eastern Oregon University)

How does it transfer?

general elective

other (provide details)

Details of how course transfers

OIT Articulation: AAS Business to BS in Operations Management

Evidence of transferability

Please attach documentation

Reviewer Comments

Date Submitted: 11/10/23 3:00 pm

Viewing: **HOR-250 : Organic Herb Growing and Gardening**

Last edit: 11/12/23 3:56 pm

Changes proposed by: April Chastain (april.chastain)

Catalog Pages
referencing this
course

[Horticulture/Arboriculture/Landscape/Organic Farming.\(HOR\)](#)

Programs
referencing this
course

[CC.ORGANICFARM: Organic Farming](#)
[AAS.HORT1: Horticulture](#)

Credits/Hours/Instructional Method Change

Is Topic Shell Course?

Are you the Faculty Contact Person?

Yes

Course Prefix HOR -
Horticulture/Arboriculture/Landscape/Organic
Farming

Course Number 250

Department Horticulture

Division Arts and Sciences

Course Title Organic Herb Growing and Gardening**In Workflow**

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

Approval Path

1. 11/13/23 7:25 am
Megan Feagles (megan.feagles):
Approved for Curriculum Office
2. 11/17/23 8:08 am
Debra Carino (dcarino): Approved for DASC Curriculum Committee Outline Review Team
3. 11/17/23 8:57 am
Megan Feagles (megan.feagles):
Approved for Curriculum Office

Grading

Grade Scheme Standard (STND)

Credit Type Credit Course

Allow Pass/No Pass Yes

Only Pass/No Pass No

Audit Yes

Min Credit 1.00

Variable Credit No

Contact hours

Lec/Lab 20.00

Lab

Activity

Clinical

Field

CWE Seminar

CPR

Seminar

Community

Education/Drivers

Ed

Community

Education/Adult

Total 20

Proposed Effective Winter 2024

Term

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

Study of herb propagation, growing, plant propagation and garden use. Identification of herbs, parts of the plant, garden culture, planning, site requirements and care of plants are covered. Learn how to plan for garden, small-scale, and larger farm production.

Type of Course (ACTI Code)

210 - Career Technical Preparatory

Is this class challengeable?

Yes

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?

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?

No

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

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

1	identify common herbs including which part of the plant to use;
2	select propagation methods for asexual and sexual propagation including propagation media;
3	identify the specific cultural requirements of herb plants in the garden ; garden .
<u>4</u>	<u>demonstrate how to grow, harvest and dry herbs.</u>

Major Topic Outline 1. Identification of herbs. a. Botanic and common names of specific genera. b. Characteristics of plant growth. c. Identify which part of the plant to use. d. Uses of herb plants. e. Factors that impact the quality of herbs. f. Cautions about using herbs. 2. Aspects of herb plant propagation. a. Creating the propagation environment. b. Evaluation of propagation media. c. Containers, sanitation, and irrigation practices. d. Propagation records. 3. Garden uses of herbs a. Site requirements. b. Garden planning. c. Planting practices. d. Garden care and use of herbs. 4. Growing herbs on a large scale. a. planning. b. planting. c. pruning. d. harvesting. e. drying.

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

Course Number	Title	Implementation
HOR-118	Spanish for Horticulture	2024/WI

Course Change Request

New Course Proposal

Date Submitted: 11/10/23 2:27 pm

Viewing: **HOR-118 : Spanish for Horticulture**

Last edit: 11/12/23 3:53 pm

Changes proposed by: April Chastain (april.chastain)

Is Topic Shell Course?

Are you the Faculty Contact Person?

Yes

Course Prefix HOR -
Horticulture/Arboriculture/Landscape/Organic
Farming

Course Number 118

Department Horticulture

Division Arts and Sciences

Course Title Spanish for Horticulture

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 Winter 2024

In

1.

2.

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6.

Ap

1.

2.

3.

4.

Term

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

This course introduces basic vocabulary and structures of the Spanish language for students to be able to communicate in the Horticultural environment. The class introduces students to the culture of the Spanish speaking people, especially those that reside in their own area and within the United States. The course emphasizes oral communication, but all four skills of language are introduced: listening, speaking, reading and writing.

Type of Course (ACTI Code)

210 - Career Technical Preparatory

Reason for the Proposal

Alumni and industry feedback that students need "command Spanish" and industry relevant vocabulary to be able to communicate with Spanish-speaking co-workers as soon as they start working (even during internships).

Is this class challengeable?

Yes

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

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?

No

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	recognize, practice and effectively use essential vocabulary and language structures to communicate in everyday situations within the horticulture work-setting;
2	recognize and effectively interpret important cultural elements of the Spanish-speaking population in the local area and within the United States;
3	develop, discuss, and apply personal strategies and skills to become more effective independent language learners through pair/group/class discussions, teacher-guided practice, and other reflection work.

Major Topic Outline

1. Greetings, personal introductions, goodbyes.
2. Basic work relationships & people.
3. Basic work vocabulary (places & tools).
4. Basic work functions (safety, emergencies, work orders, talking with clients, etc.)

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

Program	Implementation
AS, Architectural Engineering, OSU	2024/SU
AS, Biological Engineering, OSU	2024/SU
AS, Chemical Engineering, OSU	2024/SU
AS, Civil Engineering, OSU	2024/SU
AS, Ecological Engineering, OSU	2024/SU
AS, Electrical Engineering, OSU	2024/SU
AS, Environmental Engineering, OSU	2024/SU

Program Change Request

Date Submitted: 10/27/23 8:17 pm

Viewing: **AS.OSUARCHENGR : AS, Architectural Engineering, OSU**

Last approved: 06/05/23 1:26 pm

Last edit: 11/01/23 9:13 am

Changes proposed by: Eric Lee (elee)

In Workflow

1. Curriculum Office
2. ENGR Chair
3. DASC Dean
4. Curriculum Committee Approval

Catalog Pages Using this Program [Architectural Engineering Emphasis, AS - with Oregon State University](#)

Change Type

College Council Review

No

Program Contact Information

Are you the Faculty Contact Person?

Yes

Program Overview

Name of Proposed Program

AS, Architectural Engineering, OSU

Program Code

AS.OSUARCHENGR

Award (CCWD)

Associate of Science (90-108 credits) (AS)

Type of Program (CCC)

Associate of Science (AS)

Educational Focus Area

Science, Technology, Engineering and Math (STEM)

Effective Catalog Edition

2024-2025

Career Area

Industrial and Engineering Systems

Department

Engineering Sciences

Division

Arts and Sciences

Other locations (institutions) this Program will be offered

CIP Code

14.0101 - Engineering, General.

Approval Path

1. 10/30/23 10:52 am
Megan Feagles (megan.feagles): Approved for Curriculum Office
2. 11/15/23 3:26 pm
Matt LaForce (laforce): Approved for ENGR Chair
3. 11/15/23 3:28 pm
Sue Goff (sue.goff): Approved for DASC Dean

History

1. Nov 28, 2022 by Megan Feagles (megan.feagles)
2. Apr 18, 2023 by Megan Feagles (megan.feagles)
3. Jun 5, 2023 by Megan Feagles (megan.feagles)

Program Award Information

Program Learning Outcomes (PLOs)

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

should be able to:

apply the fundamental elements of engineering design;

employ mathematics, science, and computing techniques in a systematic and rigorous manner to support the study and solution of engineering problems;

conduct and document laboratory experiments in the sciences and engineering, effectively communicating determined quantitative relationships using both graphs and equations;

exhibit good teamwork skills and serve as effective members of laboratory and project teams;

articulate and justify technical solutions to an audience through oral, written, and graphical communication.

Program-Level Assessment Plan

Marketing Plan

Proposed Curriculum

Plan of Study Grid

First Year

Fall Term Credits

CH-221	General Chemistry	5
ENGR-111	Introduction to Engineering	3
MTH-251	Calculus I	5
WR-121Z	Composition I	4
	Credits	17

Winter Term

CDT-103	Computer-Aided Drafting I	3
CH-222	General Chemistry	5
ENGR-112	Engineering Programming	3
MTH-252	Calculus II	5
	Credits	16

Spring Term

COMM-111Z	Public Speaking	4
EC-201	Principles of Economics: Micro	4
MTH-254	Vector Calculus	5
WR-227Z	Technical Writing	4
	Credits	17

Summer Term

MTH-256	Differential Equations	4
	Credits	4

Second Year

Fall Term

ENGR-211	Statics	4
HPE-295	Health & Fitness for Life	3
PH-211	General Physics With Calculus	5
PHL-102	Ethics	4
MTH-253	Calculus III	5
	Credits	16

Winter Term

CS-161	Computer Science I	4
HPE-295	Health & Fitness for Life	3
PH-212	General Physics With Calculus	5
	Cultural Diversity Electives	4
	Difference, Power, and Discrimination Electives	4
	Credits	17

Spring Term

ENGR-201	Electrical Fundamentals	4
ENGR-213	Strength of Materials	4
PH-213	General Physics With Calculus	5
	Difference, Power, and Discrimination Electives	4
	Credits	13
	Total Credits	100

Cultural Diversity Electives

ANT-232	Native Americans of North America	4
ENG-213	U.S. Latinx Literature	4
ENG-252	Hindu Mythology	4
GEO-110	Cultural & Human Geography	4
R-101	Judaism and Foundations of Religion	4
R-102	Christianity and Islam	4
R-103	Asian Religions	4
R-210	World Religions	4

Difference, Power, and Discrimination Electives Elective

HST-201	History of the United States	4
HST-202	History of the United States	4
HST-203	History of the United States	4
SOC-225	Social Problems	4

Optional

While not required for the AS degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State University. The Bachelor of Science degree requires the completion of one course from each category below.

Biological Science Electives Elective

BI-101	General Biology; Cellular Biology	4
BI-102	General Biology; Animal Systems	4
BI-103	General Biology; Plants & The Ecosystem	4
BI-165CL	Natural History of the Oregon Coast with Lab	4
BI-175	Integrated Science Inquiry	4
BI-176	Integrated Science Inquiry	4
BI-177	Integrated Science Inquiry	4
BI-204	Elementary Microbiology	4
BI-211	General Biology for Science Majors (Cellular Biology)	5
BI-212	General Biology for Science Majors (Animal Biology)	5
BI-213	General Biology for Science Majors (Plant Biology & Ecology)	5
BI-234	Introductory Microbiology	4
ESR-171	Introduction to Environmental Science	4
ESR-172	Introduction to Climate Change	4
ESR-173	Introduction to Sustainability	4
Z-201	General Zoology	4
Z-202	General Zoology	4
Z-203	General Zoology	4

Reviewer

Comments

Program Change Request

Date Submitted: 10/27/23 8:20 pm

Viewing: **AS.OSUBIOLENGR : AS, Biological Engineering, OSU**

Last approved: 06/05/23 1:19 pm

Last edit: 10/30/23 8:05 am

Changes proposed by: Eric Lee (elee)

Catalog Pages Using [Biological Engineering Emphasis, AS - with Oregon State University](#)
this Program

Change Type

College Council Review

No

Program Contact Information

Are you the Faculty Contact Person?

Yes

Program Overview

Name of Proposed Program

AS, Biological Engineering, OSU

Program Code

AS.OSUBIOLENGR

Award (CCWD)

Associate of Science (90-108 credits) (AS)

Type of Program
(CCC)

Associate of Science (AS)

Educational Focus
Area

Science, Technology, Engineering and Math
(STEM)

Effective Catalog
Edition

2024-2025

Career Area

Industrial and Engineering Systems

Department

Engineering Sciences

Division

Arts and Sciences

Other locations (institutions) this Program will be offered

CIP Code

14.0101 - Engineering, General.

In Workflow

1. Curriculum Office
2. ENGR Chair
3. DASC Dean
4. Curriculum Committee Approval

Approval Path

1. 10/30/23 10:52 am
Megan Feagles
(megan.feagles):
Approved for
Curriculum Office
2. 11/15/23 3:26 pm
Matt LaForce
(laforce): Approved
for ENGR Chair
3. 11/15/23 3:28 pm
Sue Goff (sue.goff):
Approved for DASC
Dean

History

1. Oct 6, 2022 by
clmig-kxayasene
2. Nov 28, 2022 by
Megan Feagles
(megan.feagles)
3. Apr 18, 2023 by
Megan Feagles
(megan.feagles)
4. Jun 5, 2023 by
Megan Feagles
(megan.feagles)

Program Award Information

Program Learning Outcomes (PLOs)

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

should be able to:

- apply the fundamental elements of engineering design;
- employ mathematics, science, and computing techniques in a systematic and rigorous manner to support the study and solution of engineering problems;
- conduct and document laboratory experiments in the sciences and engineering, effectively communicating determined quantitative relationships using both graphs and equations;
- exhibit good teamwork skills and serve as effective members of laboratory and project teams;
- articulate and justify technical solutions to an audience through oral, written, and graphical communication.

Program-Level Assessment Plan

Marketing Plan

Proposed Curriculum

Literature and the Arts Electives

ART-101 Art Appreciation	3
ART-204 History of Art/Ancient Through Medieval	4
ART-205 History of Art/Romanesque Through Baroque	4
ART-206 History of Art/Enlightenment Through Contemporary	4
ENG-104 Introduction to Literature: Fiction	4
ENG-105 Introduction to Literature: Drama	4
ENG-106 Introduction to Literature: Poetry	4
ENG-107 World Literature: Ancient Through Classical Times	4
ENG-108 World Literature: Early Middle Ages through the 18th Century	4
ENG-109 World Literature: The 19th through 21st Centuries	4
ENG-194 Introduction to Film	4
ENG-195 American Film	4
ENG-201 Shakespeare	4
ENG-202 Shakespeare	4
ENG-204 British Literature: Ancient to Enlightenment	4
ENG-205 British Literature: Romantic to Contemporary	4
ENG-213 U.S. Latinx Literature	4
ENG-226 Popular Literature	4
ENG-230 Documentary Film	4
ENG-241 Norse Mythology	4
ENG-250 Greek Mythology	4
ENG-251 Celtic Mythology	4
ENG-252 Hindu Mythology	4
ENG-253 American Literature: Pre-Columbian to Civil War	4
ENG-254 American Literature: 1865 to Present	4
ENG-255 American Literature: Topics in American Literature	4
ENG-260 Introduction to Women Writers	4
ENG-270 Introduction to Literary Criticism	4
MUS-105 Music Appreciation	3
MUS-205 Music Literature: History of Jazz	4
MUS-206 Music Literature: History of Rock	4

Plan of Study Grid

First Year

Fall Term	Credits
<u>COMM-111Z</u> Public Speaking	4
<u>ENGR-111</u> Introduction to Engineering	3
<u>MTH-251</u> Calculus I	5
<u>WR-121Z</u> Composition I	4
Credits	16

Winter Term

<u>BI-204</u> Elementary Microbiology	4
<u>CH-221</u> General Chemistry	5
<u>ENGR-112</u> Engineering Programming	3
<u>MTH-252</u> Calculus II	5

	Credits	17
Spring Term		
CH-222	General Chemistry	5
MTH-254	Vector Calculus	5
WR-227Z	Technical Writing	4
	Credits	14
Summer Term		
CH-223	General Chemistry	5
MTH-256	Differential Equations	4
Social Processes Electives		4
	Credits	13
Second Year		
Fall Term		
CH-241	Organic Chemistry I	5
ENGR-211	Statics	4
PH-211	General Physics With Calculus	5
	Credits	14
Winter Term		
CH-242	Organic Chemistry II	5
PH-212	General Physics With Calculus	5
Literature and the Arts Electives		3-4
CS-161	Computer Science I	<u>4</u>
	Credits	14
Spring Term		
CH-243	Organic Chemistry III	5
ENGR-201	Electrical Fundamentals	4
PH-213	General Physics With Calculus	5
Western Culture Electives		4
	Credits	18
	Total Credits	106

Social Processes Electives ~~Process Electives~~

ANT-103	Cultural Anthropology	4
EC-201	Principles of Economics: Micro	4
EC-202	Principles of Economics: Macro	4
HST-101	History of Western Civilization	4
HST-102	History of Western Civilization	4
HST-103	History of Western Civilization	4
PS-201	American Government and Politics	4
PS-204	Introduction to Comparative Politics	4
PS-205	International Relations	4
PS-225	Introduction to Political Ideologies	4
PSY-200	Introduction to Psychology: Part 1	4
PSY-205	Introduction to Psychology: Part 2	4
PSY-219	Introduction to Abnormal Psychology	4
PSY-231	Introduction to Human Sexuality	4
SOC-204	Introduction to Sociology	4
SOC-205	Social Stratification & Social Systems	4
SOC-206	Institutions & Social Change	4

Western Culture Electives

ART-204	History of Art/Ancient Through Medieval	4
ART-205	History of Art/Romanesque Through Baroque	4
ART-206	History of Art/Enlightenment Through Contemporary	4
ENG-107	World Literature: Ancient Through Classical Times	4
ENG-109	World Literature: Early Middle Ages through the 18th Century	4

ENG-106 World Literature: Early Middle Ages through the 18th Century	4
ENG-109 World Literature: The 19th through 21st Centuries	4
ENG-201 Shakespeare	4
ENG-202 Shakespeare	4
ENG-204 British Literature: Ancient to Enlightenment	4
ENG-205 British Literature: Romantic to Contemporary	4
ENG-250 Greek Mythology	4
ENG-251 Celtic Mythology	4
ENG-253 American Literature: Pre-Columbian to Civil War	4
ENG-254 American Literature: 1865 to Present	4
ENG-255 American Literature: Topics in American Literature	4
GEO-208 Geography of the United States & Canada	4
HST-101 History of Western Civilization	4
HST-102 History of Western Civilization	4
HST-103 History of Western Civilization	4
HST-132 History of Language and the Written Word in Western Civilization	4
HST-201 History of the United States	4
HST-202 History of the United States	4
HST-203 History of the United States	4
PHL-102 Ethics	4
R-204 History of Christianity	4

Optional

While not required for the AS degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State University. The Bachelor of Science degree requires the completion of one course from each category below.

Cultural Diversity Electives

ANT-232 Native Americans of North America	4
ENG-213 U.S. Latinx Literature	4
ENG-252 Hindu Mythology	4
GEO-110 Cultural & Human Geography	4
R-101 Judaism and Foundations of Religion	4
R-102 Christianity and Islam	4
R-103 Asian Religions	4
R-210 World Religions	4

Difference, Power, and Discrimination Electives

HST-201 History of the United States	4
HST-202 History of the United States	4
HST-203 History of the United States	4
SOC-225 Social Problems	4

Literature and the Arts ~~Physical Education~~ Electives

ART-101 <u>Art Appreciation</u>	<u>3</u>
ART-204 <u>History of Art/Ancient Through Medieval</u>	<u>4</u>
ART-205 <u>History of Art/Romanesque Through Baroque</u>	<u>4</u>
ART-206 <u>History of Art/Enlightenment Through Contemporary</u>	<u>4</u>
ENG-104 <u>Introduction to Literature: Fiction</u>	<u>4</u>
ENG-105 <u>Introduction to Literature: Drama</u>	<u>4</u>
ENG-106 <u>Introduction to Literature: Poetry</u>	<u>4</u>
ENG-107 <u>World Literature: Ancient Through Classical Times</u>	<u>4</u>
ENG-108 <u>World Literature: Early Middle Ages through the 18th Century</u>	<u>4</u>
ENG-109 <u>World Literature: The 19th through 21st Centuries</u>	<u>4</u>
ENG-194 <u>Introduction to Film</u>	<u>4</u>
ENG-195 <u>American Film</u>	<u>4</u>

<u>ENG-201 Shakespeare</u>	<u>4</u>
<u>ENG-202 Shakespeare</u>	<u>4</u>
<u>ENG-204 British Literature: Ancient to Enlightenment</u>	<u>4</u>
<u>ENG-205 British Literature: Romantic to Contemporary</u>	<u>4</u>
<u>ENG-213 U.S. Latinx Literature</u>	<u>4</u>
<u>ENG-226 Popular Literature</u>	<u>4</u>
<u>ENG-230 Documentary Film</u>	<u>4</u>
<u>ENG-241 Norse Mythology</u>	<u>4</u>
<u>ENG-250 Greek Mythology</u>	<u>4</u>
<u>ENG-251 Celtic Mythology</u>	<u>4</u>
<u>ENG-252 Hindu Mythology</u>	<u>4</u>
<u>ENG-253 American Literature: Pre-Columbian to Civil War</u>	<u>4</u>
<u>ENG-254 American Literature: 1865 to Present</u>	<u>4</u>
<u>ENG-255 American Literature: Topics in American Literature</u>	<u>4</u>
<u>ENG-260 Introduction to Women Writers</u>	<u>4</u>
<u>ENG-270 Introduction to Literary Criticism</u>	<u>4</u>
<u>MUS-105 Music Appreciation</u>	<u>3</u>
<u>MUS-205 Music Literature: History of Jazz</u>	<u>4</u>
<u>MUS-206 Music Literature: History of Rock</u>	<u>4</u>

Physical Education Electives

Program Change Request

Date Submitted: 10/27/23 8:21 pm

Viewing: **AS.OSUCHEMENGR : AS, Chemical Engineering, OSU**

Last approved: 06/05/23 1:22 pm

Last edit: 10/28/23 8:02 am

Changes proposed by: Eric Lee (elee)

In Workflow

1. Curriculum Office
2. ENGR Chair
3. DASC Dean
4. Curriculum Committee Approval

Catalog Pages Using this Program [Chemical Engineering Emphasis, AS - with Oregon State University](#)

Change Type

College Council Review

No

Program Contact Information

Are you the Faculty Contact Person?

Yes

Program Overview

Name of Proposed Program

AS, Chemical Engineering, OSU

Program Code

AS.OSUCHEMENGR

Award (CCWD)

Associate of Science (90-108 credits) (AS)

Type of Program (CCC)

Associate of Science (AS)

Educational Focus Area

Science, Technology, Engineering and Math (STEM)

Effective Catalog Edition

2024-2025

Career Area

Industrial and Engineering Systems

Department

Engineering Sciences

Division

Arts and Sciences

Other locations (institutions) this Program will be offered

CIP Code

14.0101 - Engineering, General.

Approval Path

1. 10/30/23 10:52 am
Megan Feagles (megan.feagles): Approved for Curriculum Office
2. 11/15/23 3:26 pm
Matt LaForce (laforce): Approved for ENGR Chair
3. 11/15/23 3:28 pm
Sue Goff (sue.goff): Approved for DASC Dean

History

1. Oct 6, 2022 by
clmig-kxayasene
2. Apr 18, 2023 by
Megan Feagles (megan.feagles)
3. Jun 5, 2023 by
Megan Feagles (megan.feagles)

Program Award Information

Program Learning Outcomes (PLOs)

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

should be able to:

apply the fundamental elements of engineering design;

employ mathematics, science, and computing techniques in a systematic and rigorous manner to support the study and solution of engineering problems;

conduct and document laboratory experiments in the sciences and engineering, effectively communicating determined quantitative relationships using both graphs and equations;

exhibit good teamwork skills and serve as effective members of laboratory and project teams;

articulate and justify technical solutions to an audience through oral, written, and graphical communication.

Program-Level Assessment Plan

Marketing Plan

Proposed Curriculum

Plan of Study Grid

First Year

Fall Term Credits

[COMM-111Z](#) Public Speaking 4

[ENGR-111](#) Introduction to Engineering 3

[MTH-251](#) Calculus I 5

[WR-121Z](#) Composition I 4

Credits 16

Winter Term

[CH-221](#) General Chemistry 5

[ENGR-112](#) Engineering Programming 3

[MTH-252](#) Calculus II 5

[WR-227Z](#) Technical Writing 4

Credits 17

Spring Term

[CH-222](#) General Chemistry 5

[MTH-254](#) Vector Calculus 5

[Social Processes Electives](#) 4

Credits 14

Summer Term

[CH-223](#) General Chemistry 5

[MTH-256](#) Differential Equations 4

Credits 9

Second Year

Fall Term

[CH-241](#) Organic Chemistry I 5

[ENGR-211](#) Statics 4

[PH-211](#) General Physics With Calculus 5

Credits 14

Winter Term

[CH-242](#) Organic Chemistry II 5

[MTH-253](#) ~~Calculus III~~ 5

[CS-161](#) [Computer Science I](#) 4

[PH-212](#) General Physics With Calculus 5

Credits 14

Spring Term

[CH-243](#) Organic Chemistry III 5

[ENGR-201](#) Electrical Fundamentals 4

[PH-213](#) General Physics With Calculus 5

[Western Culture Electives](#) 4

Credits 18

Total Credits 102

Social Processes Electives

ANT-103	Cultural Anthropology	4
EC-201	Principles of Economics: Micro	4
EC-202	Principles of Economics: Macro	4
HST-101	History of Western Civilization	4
HST-102	History of Western Civilization	4
HST-103	History of Western Civilization	4
PS-201	American Government and Politics	4
PS-204	Introduction to Comparative Politics	4
PS-205	International Relations	4
PS-225	Introduction to Political Ideologies	4
PSY-200	Introduction to Psychology: Part 1	4
PSY-205	Introduction to Psychology: Part 2	4
PSY-219	Introduction to Abnormal Psychology	4
PSY-231	Introduction to Human Sexuality	4
SOC-204	Introduction to Sociology	4
SOC-205	Social Stratification & Social Systems	4
SOC-206	Institutions & Social Change	4

Western Culture Electives

ART-204	History of Art/Ancient Through Medieval	4
ART-205	History of Art/Romanesque Through Baroque	4
ART-206	History of Art/Enlightenment Through Contemporary	4
ENG-107	World Literature: Ancient Through Classical Times	4
ENG-108	World Literature: Early Middle Ages through the 18th Century	4
ENG-109	World Literature: The 19th through 21st Centuries	4
ENG-201	Shakespeare	4
ENG-202	Shakespeare	4
ENG-204	British Literature: Ancient to Enlightenment	4
ENG-205	British Literature: Romantic to Contemporary	4
ENG-250	Greek Mythology	4
ENG-251	Celtic Mythology	4
ENG-253	American Literature: Pre-Columbian to Civil War	4
ENG-254	American Literature: 1865 to Present	4
ENG-255	American Literature: Topics in American Literature	4
GEO-208	Geography of the United States & Canada	4
HST-101	History of Western Civilization	4
HST-102	History of Western Civilization	4
HST-103	History of Western Civilization	4
HST-132	History of Language and the Written Word in Western Civilization	4
HST-201	History of the United States	4
HST-202	History of the United States	4
HST-203	History of the United States	4
PHL-102	Ethics	4
R-204	History of Christianity	4

Optional

While not required for the AS degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State University. The Bachelor of Science degree requires the completion of one course from each category below.

Biological Science Electives

BI-101	General Biology; Cellular Biology	4
BI-102	General Biology; Animal Systems	4
BI-103	General Biology; Plants & The Ecosystem	4
BI-165CL	Natural History of the Oregon Coast with Lab	4
BI-175	Integrated Science Inquiry	4

BI-176	Integrated Science Inquiry	4
BI-177	Integrated Science Inquiry	4
BI-204	Elementary Microbiology	4
BI-211	General Biology for Science Majors (Cellular Biology)	5
BI-212	General Biology for Science Majors (Animal Biology)	5
BI-213	General Biology for Science Majors (Plant Biology & Ecology)	5
BI-234	Introductory Microbiology	4
ESR-171	Introduction to Environmental Science	4
ESR-172	Introduction to Climate Change	4
ESR-173	Introduction to Sustainability	4
Z-201	General Zoology	4
Z-202	General Zoology	4
Z-203	General Zoology	4

Cultural Diversity Electives

ANT-232	Native Americans of North America	4
ENG-213	U.S. Latinx Literature	4
ENG-252	Hindu Mythology	4
GEO-110	Cultural & Human Geography	4
R-101	Judaism and Foundations of Religion	4
R-102	Christianity and Islam	4
R-103	Asian Religions	4
R-210	World Religions	4

Difference, Power, and Discrimination Electives

HST-201	History of the United States	4
HST-202	History of the United States	4
HST-203	History of the United States	4
SOC-225	Social Problems	4

Literature and the Arts Electives

ART-101	Art Appreciation	3
ART-204	History of Art/Ancient Through Medieval	4
ART-205	History of Art/Romanesque Through Baroque	4
ART-206	History of Art/Enlightenment Through Contemporary	4
ENG-104	Introduction to Literature: Fiction	4
ENG-105	Introduction to Literature: Drama	4
ENG-106	Introduction to Literature: Poetry	4
ENG-107	World Literature: Ancient Through Classical Times	4
ENG-108	World Literature: Early Middle Ages through the 18th Century	4
ENG-109	World Literature: The 19th through 21st Centuries	4
ENG-194	Introduction to Film	4
ENG-195	American Film	4
ENG-201	Shakespeare	4
ENG-202	Shakespeare	4
ENG-204	British Literature: Ancient to Enlightenment	4
ENG-205	British Literature: Romantic to Contemporary	4
ENG-213	U.S. Latinx Literature	4
ENG-226	Popular Literature	4
ENG-230	Documentary Film	4
ENG-241	Norse Mythology	4
ENG-250	Greek Mythology	4
ENG-251	Celtic Mythology	4
ENG-252	Hindu Mythology	4
ENG-253	American Literature: Pre-Columbian to Civil War	4

ENG-254 American Literature: 1865 to Present	4
ENG-255 American Literature: Topics in American Literature	4
ENG-260 Introduction to Women Writers	4
ENG-270 Introduction to Literary Criticism	4
MUS-105 Music Appreciation	3
MUS-205 Music Literature: History of Jazz	4
MUS-206 Music Literature: History of Rock	4

Physical Education Electives

[HPE-295](#) Health & Fitness for Life3

Reviewer

Comments

Date Submitted: 10/27/23 8:28 pm

Viewing: **AS.OSUCIVILENGR : AS, Civil Engineering, OSU**

Last approved: 06/05/23 1:23 pm

Last edit: 10/29/23 7:13 am

Changes proposed by: Eric Lee (elee)

Catalog Pages Using
this Program[Civil Engineering Emphasis, AS - with Oregon State University](#)

Change Type

College Council Review

No

Program Contact Information

Are you the Faculty Contact Person?

Yes

Program Overview

Name of Proposed Program

AS, Civil Engineering, OSU

Program Code AS.OSUCIVILENGR

Award (CCWD)

Associate of Science (90-108 credits) (AS)

Type of Program Associate of Science (AS)
(CCC)Educational Focus Science, Technology, Engineering and Math
Area (STEM)Effective Catalog 2024-2025
Edition

Career Area Industrial and Engineering Systems

Department Engineering Sciences

Division Arts and Sciences

Other locations (institutions) this Program will be offered

CIP Code 14.0101 - Engineering, General.

In Workflow

1. Curriculum Office
2. ENGR Chair
3. DASC Dean
4. Curriculum Committee Approval

Approval Path

1. 10/30/23 10:52 am
Megan Feagles (megan.feagles):
Approved for Curriculum Office
2. 11/15/23 3:27 pm
Matt LaForce (laforce): Approved for ENGR Chair
3. 11/15/23 3:28 pm
Sue Goff (sue.goff): Approved for DASC Dean

History

1. Oct 6, 2022 by clmig-kxayasene
2. Nov 28, 2022 by Megan Feagles (megan.feagles)
3. Apr 18, 2023 by Megan Feagles (megan.feagles)
4. Jun 5, 2023 by Megan Feagles (megan.feagles)

Program Learning Outcomes (PLOs)

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

apply the fundamental elements of engineering design;
 employ mathematics, science, and computing techniques in a systematic and rigorous manner to support the study and solution of engineering problems;
 conduct and document laboratory experiments in the sciences and engineering, effectively communicating determined quantitative relationships using both graphs and equations;
 exhibit good teamwork skills and serve as effective members of laboratory and project teams;
 articulate and justify technical solutions to an audience through oral, written, and graphical communication.

Program-Level Assessment Plan

Marketing Plan

Proposed Curriculum

Plan of Study Grid

First Year

Fall Term		Credits
CH-221	General Chemistry	5
ENGR-111	Introduction to Engineering	3
MTH-251	Calculus I	5
WR-121Z	Composition I	4
	Credits	17
Winter Term		
CDT-103	Computer-Aided Drafting I	3
CH-222	General Chemistry	5
ENGR-112	Engineering Programming	3
MTH-252	Calculus II	5
	Credits	16
Spring Term		
COMM-111Z	Public Speaking	4
EC-201	Principles of Economics: Micro	4
MTH-254	Vector Calculus	5
WR-227Z	Technical Writing	4
	Credits	17
Summer Term		
GIS-201	Introduction to Geographic Information Systems 3	
MTH-256	Differential Equations	4
	Credits	0

Second Year

Fall Term		
CS-161	Computer Science I	<u>4</u>
ENGR-211	Statics	4
MTH-253	Calculus III	5
GIS-201	Introduction to Geographic Information Systems 3	

Western Culture Electives		
Credits		16
Winter Term		
CS-161 Computer Science I		4
ENGR-212 Dynamics		4
MTH-256 <u>Differential Equations</u>		<u>4</u>
PH-212 General Physics With Calculus		5
<u>Literature and the Arts Electives</u>		<u>3-4</u>
Credits		16-17
Spring Term		
ENGR-213 Strength of Materials		4
HPE-295 <u>Health & Fitness for Life</u>		<u>3</u>
PH-213 General Physics With Calculus		5
Literature and the Arts Electives		3-4
<u>Western Culture Electives</u>		<u>4</u>
Credits		16
Total Credits		98-99

Literature and the Arts Electives Elective

<u>ART-101</u> Art Appreciation	3
<u>ART-204</u> History of Art/Ancient Through Medieval	4
<u>ART-205</u> History of Art/Romanesque Through Baroque	4
<u>ART-206</u> History of Art/Enlightenment Through Contemporary	4
<u>ENG-104</u> Introduction to Literature: Fiction	4
<u>ENG-105</u> Introduction to Literature: Drama	4
<u>ENG-106</u> Introduction to Literature: Poetry	4
<u>ENG-107</u> World Literature: Ancient Through Classical Times	4
<u>ENG-108</u> World Literature: Early Middle Ages through the 18th Century	4
<u>ENG-109</u> World Literature: The 19th through 21st Centuries	4
<u>ENG-194</u> Introduction to Film	4
<u>ENG-195</u> American Film	4
<u>ENG-201</u> Shakespeare	4
<u>ENG-202</u> Shakespeare	4
<u>ENG-204</u> British Literature: Ancient to Enlightenment	4
<u>ENG-205</u> British Literature: Romantic to Contemporary	4
<u>ENG-213</u> U.S. Latinx Literature	4
<u>ENG-226</u> Popular Literature	4
<u>ENG-230</u> Documentary Film	4
<u>ENG-241</u> Norse Mythology	4
<u>ENG-250</u> Greek Mythology	4
<u>ENG-251</u> Celtic Mythology	4
<u>ENG-252</u> Hindu Mythology	4
<u>ENG-253</u> American Literature: Pre-Columbian to Civil War	4
<u>ENG-254</u> American Literature: 1865 to Present	4
<u>ENG-255</u> American Literature: Topics in American Literature	4
<u>ENG-260</u> Introduction to Women Writers	4
<u>ENG-270</u> Introduction to Literary Criticism	4
<u>MUS-105</u> Music Appreciation	3
<u>MUS-205</u> Music Literature: History of Jazz	4
<u>MUS-206</u> Music Literature: History of Rock	4

ART-204	History of Art/Ancient Through Medieval	4
ART-205	History of Art/Romanesque Through Baroque	4
ART-206	History of Art/Enlightenment Through Contemporary	4
ENG-107	World Literature: Ancient Through Classical Times	4
ENG-108	World Literature: Early Middle Ages through the 18th Century	4
ENG-109	World Literature: The 19th through 21st Centuries	4
ENG-201	Shakespeare	4
ENG-202	Shakespeare	4
ENG-204	British Literature: Ancient to Enlightenment	4
ENG-205	British Literature: Romantic to Contemporary	4
ENG-250	Greek Mythology	4
ENG-251	Celtic Mythology	4
ENG-253	American Literature: Pre-Columbian to Civil War	4
ENG-254	American Literature: 1865 to Present	4
ENG-255	American Literature: Topics in American Literature	4
GEO-208	Geography of the United States & Canada	4
HST-101	History of Western Civilization	4
HST-102	History of Western Civilization	4
HST-103	History of Western Civilization	4
HST-132	History of Language and the Written Word in Western Civilization	4
HST-201	History of the United States	4
HST-202	History of the United States	4
HST-203	History of the United States	4
PHL-102	Ethics	4
R-204	History of Christianity	4

Optional

While not required for the AS degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State University. The Bachelor of Science degree requires the completion of one course from each category below.

Biological Science Electives

BI-101	General Biology; Cellular Biology	4
BI-102	General Biology; Animal Systems	4
BI-103	General Biology; Plants & The Ecosystem	4
BI-165CL	Natural History of the Oregon Coast with Lab	4
BI-175	Integrated Science Inquiry	4
BI-176	Integrated Science Inquiry	4
BI-177	Integrated Science Inquiry	4
BI-204	Elementary Microbiology	4
BI-211	General Biology for Science Majors (Cellular Biology)	5
BI-212	General Biology for Science Majors (Animal Biology)	5
BI-213	General Biology for Science Majors (Plant Biology & Ecology)	5
BI-234	Introductory Microbiology	4
ESR-171	Introduction to Environmental Science	4
ESR-172	Introduction to Climate Change	4
ESR-173	Introduction to Sustainability	4
Z-201	General Zoology	4
Z-202	General Zoology	4

Cultural Diversity Electives ~~Elective~~

ANT-232 Native Americans of North America	4
ENG-213 U.S. Latinx Literature	4
ENG-252 Hindu Mythology	4
GEO-110 Cultural & Human Geography	4
R-101 Judaism and Foundations of Religion	4
R-102 Christianity and Islam	4
R-103 Asian Religions	4
R-210 World Religions	4

Difference, Power, and Discrimination Electives ~~Electives~~

HST-201 History of the United States	4
HST-202 History of the United States	4
HST-203 History of the United States	4
SOC-225 Social Problems	4

Reviewer

Comments

Date Submitted: 10/27/23 8:30 pm

Viewing: **AS.OSUECOLENGR : AS, Ecological Engineering, OSU**

Last approved: 06/05/23 1:27 pm

Last edit: 10/29/23 6:47 am

Changes proposed by: Eric Lee (elee)

Catalog Pages Using
this Program
[Ecological Engineering Emphasis, AS - with Oregon State University](#)

Change Type

College Council Review

No

Program Contact Information

Are you the Faculty Contact Person?

Yes

Program Overview

Name of Proposed Program

AS, Ecological Engineering, OSU

Program Code AS.OSUECOLENGR

Award (CCWD)

Associate of Science (90-108 credits) (AS)

Type of Program Associate of Science (AS)
(CCC)Educational Focus Science, Technology, Engineering and Math
Area (STEM)Effective Catalog 2024-2025
Edition

Career Area Industrial and Engineering Systems

Department Engineering Sciences

Division Arts and Sciences

Other locations (institutions) this Program will be offered

CIP Code 14.0101 - Engineering, General.

In Workflow

1. Curriculum Office
2. ENGR Chair
3. DASC Dean
4. Curriculum Committee Approval

Approval Path

1. 10/30/23 10:52 am
Megan Feagles (megan.feagles):
Approved for Curriculum Office
2. 11/15/23 3:27 pm
Matt LaForce (laforce): Approved for ENGR Chair
3. 11/15/23 3:28 pm
Sue Goff (sue.goff): Approved for DASC Dean

History

1. Oct 6, 2022 by clmig-kxayasene
2. Nov 28, 2022 by Megan Feagles (megan.feagles)
3. Apr 18, 2023 by Megan Feagles (megan.feagles)
4. Jun 5, 2023 by Megan Feagles (megan.feagles)

Program Learning Outcomes (PLOs)

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

apply the fundamental elements of engineering design;
 employ mathematics, science, and computing techniques in a systematic and rigorous manner to support the study and solution of engineering problems;
 conduct and document laboratory experiments in the sciences and engineering, effectively communicating determined quantitative relationships using both graphs and equations;
 exhibit good teamwork skills and serve as effective members of laboratory and project teams;
 articulate and justify technical solutions to an audience through oral, written, and graphical communication.

Program-Level Assessment Plan

Marketing Plan

Proposed Curriculum

Plan of Study Grid

First Year

Fall Term	Credits
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COMM-111Z Public Speaking	4
ENGR-111 Introduction to Engineering	3
MTH-251 Calculus I	5
WR-121Z Composition I	4
Credits	16

Winter Term

CH-221 General Chemistry	5
ENGR-112 Engineering Programming	3
MTH-252 Calculus II	5
Literature and the Arts Electives	3-4
Credits	16-17

Spring Term

CH-222 General Chemistry	5
MTH-254 Vector Calculus	5
WR-227Z Technical Writing	4
Credits	14

Summer Term

CH-223 General Chemistry	5
MTH-256 Differential Equations	4
Credits	5

Second Year

Fall Term

ENGR-211 Statics	4
PH-211 General Physics With Calculus	5
Cultural Diversity Electives	4
Difference, Power, and Discrimination Electives	4
Credits	17

CS-204	Computer Science I	4
HPE-295	Health & Fitness for Life	3
MTH-253	Calculus III	5
MTH-256	Differential Equations	4
PH-212	General Physics With Calculus	5
	Credits	16
Spring Term		
ENGR-213	Strength of Materials	4
PH-213	General Physics With Calculus	5
PHL-102	Ethics	4
	Credits	13
	Total Credits	97-98

Cultural Diversity Electives

ANT-232	Native Americans of North America	4
ENG-213	U.S. Latinx Literature	4
ENG-252	Hindu Mythology	4
GEO-110	Cultural & Human Geography	4
R-101	Judaism and Foundations of Religion	4
R-102	Christianity and Islam	4
R-103	Asian Religions	4
R-210	World Religions	4

Difference, Power, and Discrimination Electives

HST-201	History of the United States	4
HST-202	History of the United States	4
HST-203	History of the United States	4
SOC-225	Social Problems	4

Literature and the Arts Electives

ART-101	Art Appreciation	3
ART-204	History of Art/Ancient Through Medieval	4
ART-205	History of Art/Romanesque Through Baroque	4
ART-206	History of Art/Enlightenment Through Contemporary	4
ENG-104	Introduction to Literature: Fiction	4
ENG-105	Introduction to Literature: Drama	4
ENG-106	Introduction to Literature: Poetry	4
ENG-107	World Literature: Ancient Through Classical Times	4
ENG-108	World Literature: Early Middle Ages through the 18th Century	4
ENG-109	World Literature: The 19th through 21st Centuries	4
ENG-194	Introduction to Film	4
ENG-195	American Film	4
ENG-201	Shakespeare	4
ENG-202	Shakespeare	4
ENG-204	British Literature: Ancient to Enlightenment	4
ENG-205	British Literature: Romantic to Contemporary	4
ENG-213	U.S. Latinx Literature	4
ENG-226	Popular Literature	4
ENG-227	World Literature: 19th through 21st Centuries	4

ENG-250 Greek Mythology	4
ENG-251 Celtic Mythology	4
ENG-252 Hindu Mythology	4
ENG-253 American Literature: Pre-Columbian to Civil War	4
ENG-254 American Literature: 1865 to Present	4
ENG-255 American Literature: Topics in American Literature	4
ENG-260 Introduction to Women Writers	4
ENG-270 Introduction to Literary Criticism	4
MUS-105 Music Appreciation	3
MUS-205 Music Literature: History of Jazz	4
MUS-206 Music Literature: History of Rock	4

Reviewer

Comments

Date Submitted: 10/27/23 8:36 pm

Viewing: **AS.OSUELCOMPENGR : AS, Electrical Engineering, OSU**

Last approved: 06/05/23 1:27 pm

Last edit: 10/30/23 8:20 am

Changes proposed by: Eric Lee (elee)

Catalog Pages Using
this Program[Electrical Engineering Emphasis, AS - with Oregon State University](#)

Change Type

College Council Review

No

Program Contact Information

Are you the Faculty Contact Person?

Yes

Program Overview

Name of Proposed Program

AS, Electrical Engineering, OSU

Program Code AS.OSUELCOMPENGR

Award (CCWD)

Associate of Science (90-108 credits) (AS)

Type of Program Associate of Science (AS)
(CCC)Educational Focus Science, Technology, Engineering and Math
Area (STEM)

Effective Catalog Edition 2024-2025

Career Area Industrial and Engineering Systems

Department Engineering Sciences

Division Arts and Sciences

Other locations (institutions) this Program will be offered

In Workflow

1. Curriculum Office
2. ENGR Chair
3. DASC Dean
4. Curriculum Committee Approval

Approval Path

1. 10/30/23 10:52 am
Megan Feagles (megan.feagles):
Approved for Curriculum Office
2. 11/15/23 3:27 pm
Matt LaForce (laforce): Approved for ENGR Chair
3. 11/15/23 3:28 pm
Sue Goff (sue.goff):
Approved for DASC Dean

History

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

Program Award Information

Program Learning Outcomes (PLOs)

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

- apply the fundamental elements of engineering design;
- employ mathematics, science, and computing techniques in a systematic and rigorous manner to support the study and solution of engineering problems;
- conduct and document laboratory experiments in the sciences and engineering, effectively communicating determined quantitative relationships using both graphs and equations;
- exhibit good teamwork skills and serve as effective members of laboratory and project teams;
- articulate and justify technical solutions to an audience through oral, written, and graphical communication.

Program-Level Assessment Plan

Marketing Plan

Proposed Curriculum

Plan of Study Grid

First Year

Fall Term		Credits
<u>CH-221</u>	<u>General Chemistry</u>	<u>5</u>
<u>CS-161</u>	Computer Science I	4
<u>ENGR-111</u>	Introduction to Engineering	3
<u>MTH-251</u>	Calculus I	5
<u>WR-121Z</u>	<u>Composition I</u>	<u>4</u>
	Credits	17

Winter Term

<u>CH-221</u>	<u>General Chemistry</u>	<u>5</u>
<u>CS-162</u>	Computer Science II	4
<u>ENGR-112</u>	Engineering Programming	3
<u>ENGR-171</u>	<u>Digital Logic</u>	<u>4</u>
<u>MTH-252</u>	Calculus II	5
	Credits	16

Spring Term

<u>COMM-111Z</u>	<u>Public Speaking</u>	<u>4</u>
<u>CS-260</u>	Data Structures	4
<u>MTH-253</u>	<u>Calculus III</u>	<u>5</u>
<u>WR-227Z</u>	<u>Technical Writing</u>	<u>4</u>
<u>WR-121Z</u>	<u>Composition I</u>	<u>4</u>
<u>Social Processes Electives</u>		4
	Credits	16

Summer Term

<u>COMM-111Z</u>	<u>Public Speaking</u>	<u>4</u>
<u>MTH-256</u>	Differential Equations	4
<u>WR-227Z</u>	<u>Technical Writing</u>	<u>4</u>

Fall Term

ENGR-221	Electrical Circuit Analysis I	4
MTH-254	Vector Calculus	5
PH-211	General Physics With Calculus	5
	Credits	14

Winter Term

ENGR-171	Digital Logic	4
ENGR-222	Electrical Circuit Analysis II	4
MTH-231	Elements of Discrete Mathematics	4
PH-212	General Physics With Calculus	5
Literature and the Arts Electives		<u>3-4</u>
	Credits	16-17

Spring Term

ENGR-223	Electrical Circuit Analysis III	4
PH-213	General Physics With Calculus	5
Western Culture Electives		4
	Credits	13
	Total Credits	100-101

Literature and the Arts ~~Social Processes~~ Electives

ART-101	Art Appreciation	<u>3</u>
ART-204	History of Art/Ancient Through Medieval	<u>4</u>
ART-205	History of Art/Romanesque Through Baroque	<u>4</u>
ART-206	History of Art/Enlightenment Through Contemporary	<u>4</u>
ENG-104	Introduction to Literature: Fiction	<u>4</u>
ENG-105	Introduction to Literature: Drama	<u>4</u>
ENG-106	Introduction to Literature: Poetry	<u>4</u>
ENG-107	World Literature: Ancient Through Classical Times	<u>4</u>
ENG-108	World Literature: Early Middle Ages through the 18th Century	<u>4</u>
ENG-109	World Literature: The 19th through 21st Centuries	<u>4</u>
ENG-194	Introduction to Film	<u>4</u>
ENG-195	American Film	<u>4</u>
ENG-201	Shakespeare	<u>4</u>
ENG-202	Shakespeare	<u>4</u>
ENG-204	British Literature: Ancient to Enlightenment	<u>4</u>
ENG-205	British Literature: Romantic to Contemporary	<u>4</u>
ENG-213	U.S. Latinx Literature	<u>4</u>
ENG-226	Popular Literature	<u>4</u>
ENG-230	Documentary Film	<u>4</u>
ENG-250	Greek Mythology	<u>4</u>
ENG-251	Celtic Mythology	<u>4</u>
ENG-252	Hindu Mythology	<u>4</u>
ENG-253	American Literature: Pre-Columbian to Civil War	<u>4</u>
ENG-254	American Literature: 1865 to Present	<u>4</u>
ENG-255	American Literature: Topics in American Literature	<u>4</u>
ENG-260	Introduction to Women Writers	<u>4</u>
MUS-105	Music Appreciation	<u>3</u>
MUS-205	Music Literature: History of Jazz	<u>4</u>
MUS-206	Music Literature: History of Rock	<u>4</u>

ANT-103	Cultural Anthropology	4
EC-201	Principles of Economics: Micro	4
EC-202	Principles of Economics: Macro	4
HST-101	History of Western Civilization	4
HST-102	History of Western Civilization	4
HST-103	History of Western Civilization	4
PS-201	American Government and Politics	4
PS-204	Introduction to Comparative Politics	4
PS-205	International Relations	4
PS-225	Introduction to Political Ideologies	4
PSY-200	Introduction to Psychology: Part 1	4
PSY-205	Introduction to Psychology: Part 2	4
PSY-219	Introduction to Abnormal Psychology	4
PSY-231	Introduction to Human Sexuality	4
SOC-204	Introduction to Sociology	4
SOC-205	Social Stratification & Social Systems	4
SOC-206	Institutions & Social Change	4

Western Culture Electives

ART-204	History of Art/Ancient Through Medieval	4
ART-205	History of Art/Romanesque Through Baroque	4
ART-206	History of Art/Enlightenment Through Contemporary	4
ENG-107	World Literature: Ancient Through Classical Times	4
ENG-108	World Literature: Early Middle Ages through the 18th Century	4
ENG-109	World Literature: The 19th through 21st Centuries	4
ENG-201	Shakespeare	4
ENG-202	Shakespeare	4
ENG-204	British Literature: Ancient to Enlightenment	4
ENG-205	British Literature: Romantic to Contemporary	4
ENG-250	Greek Mythology	4
ENG-251	Celtic Mythology	4
ENG-253	American Literature: Pre-Columbian to Civil War	4
ENG-254	American Literature: 1865 to Present	4
ENG-255	American Literature: Topics in American Literature	4
GEO-208	Geography of the United States & Canada	4
HST-101	History of Western Civilization	4
HST-102	History of Western Civilization	4
HST-103	History of Western Civilization	4
HST-132	History of Language and the Written Word in Western Civilization	4
HST-201	History of the United States	4
HST-202	History of the United States	4
HST-203	History of the United States	4
PHL-102	Ethics	4
R-204	History of Christianity	4

Optional

While not required for the the AS degree, students may complete additional coursework at CCC that will meet requirements for the the Bachelor of Science degree at Oregon State University. The Bachelor of Science degree requires the completion of one course from each

Biological Science Electives

BI-101	General Biology; Cellular Biology	4
BI-102	General Biology; Animal Systems	4
BI-103	General Biology; Plants & The Ecosystem	4
BI-165CL	Natural History of the Oregon Coast with Lab	4
BI-175	Integrated Science Inquiry	4
BI-176	Integrated Science Inquiry	4
BI-177	Integrated Science Inquiry	4
BI-204	Elementary Microbiology	4
BI-211	General Biology for Science Majors (Cellular Biology)	5
BI-212	General Biology for Science Majors (Animal Biology)	5
BI-213	General Biology for Science Majors (Plant Biology & Ecology)	5
BI-234	Introductory Microbiology	4
ESR-171	Introduction to Environmental Science	4
ESR-172	Introduction to Climate Change	4
ESR-173	Introduction to Sustainability	4
Z-201	General Zoology	4
Z-202	General Zoology	4
Z-203	General Zoology	4

Cultural Diversity Electives

ANT-232	Native Americans of North America	4
ENG-213	U.S. Latinx Literature	4
ENG-252	Hindu Mythology	4
GEO-110	Cultural & Human Geography	4
R-101	Judaism and Foundations of Religion	4
R-102	Christianity and Islam	4
R-103	Asian Religions	4
R-210	World Religions	4

Difference, Power, and Discrimination Electives ~~Literature and the Arts~~ Electives

ART-101	Art Appreciation	3
ART-204	History of Art/Ancient Through Medieval	4
ART-205	History of Art/Romanesque Through Baroque	4
ART-206	History of Art/Enlightenment Through Contemporary	4

Date Submitted: 10/27/23 8:38 pm

Viewing: **AS.OSUENVIRENGR : AS, Environmental Engineering, OSU**

Last approved: 06/05/23 1:28 pm

Last edit: 10/29/23 7:07 am

Changes proposed by: Eric Lee (elee)

Catalog Pages Using
this Program[Environmental Engineering Emphasis, AS - with Oregon State University](#)

Change Type

College Council Review

No

Program Contact Information

Are you the Faculty Contact Person?

Yes

Program Overview

Name of Proposed Program

AS, Environmental Engineering, OSU

Program Code AS.OSUENVIRENGR

Award (CCWD)

Associate of Science (90-108 credits) (AS)

Type of Program Associate of Science (AS)
(CCC)Educational Focus Science, Technology, Engineering and Math
Area (STEM)

Effective Catalog Edition 2024-2025

Career Area Industrial and Engineering Systems

Department Engineering Sciences

Division Arts and Sciences

Other locations (institutions) this Program will be offered

In Workflow

1. Curriculum Office
2. ENGR Chair
3. DASC Dean
4. Curriculum Committee Approval

Approval Path

1. 10/30/23 10:52 am
Megan Feagles (megan.feagles):
Approved for Curriculum Office
2. 11/15/23 3:27 pm
Matt LaForce (laforce): Approved for ENGR Chair
3. 11/15/23 3:28 pm
Sue Goff (sue.goff):
Approved for DASC Dean

History

1. Oct 6, 2022 by
clmig-kxayasene
2. Nov 28, 2022 by
Megan Feagles (megan.feagles)
3. Apr 18, 2023 by
Megan Feagles (megan.feagles)
4. Jun 5, 2023 by
Megan Feagles (megan.feagles)

Program Award Information

Program Learning Outcomes (PLOs)

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

apply the fundamental elements of engineering design;
 employ mathematics, science, and computing techniques in a systematic and rigorous manner to support the study and solution of engineering problems;
 conduct and document laboratory experiments in the sciences and engineering, effectively communicating determined quantitative relationships using both graphs and equations;
 exhibit good teamwork skills and serve as effective members of laboratory and project teams;
 articulate and justify technical solutions to an audience through oral, written, and graphical communication.

Program-Level Assessment Plan

Marketing Plan

Proposed Curriculum

Plan of Study Grid

First Year

Fall Term		Credits
CH-221	General Chemistry	5
ENGR-111	Introduction to Engineering	3
MTH-251	Calculus I	5
WR-121Z	Composition I	4
	Credits	17

Winter Term

BI-204	Elementary Microbiology	4
CH-222	General Chemistry	5
ENGR-112	Engineering Programming	3
MTH-252	Calculus II	5
	Credits	17

Spring Term

CH-223	General Chemistry	5
ENGR-115	Engineering Graphics	3
MTH-254	Vector Calculus	5
WR-227Z	Technical Writing	4
	Credits	17

Summer Term

COMM-111Z	Public Speaking	4
MTH-256	Differential Equations	4
	Credits	8

Second Year

Fall Term

ENGR-211	Statics	4
PH-211	General Physics With Calculus	5

	Credits	16-17
Winter Term		
CS-161	Computer Science I	<u>4</u>
ENGR-212	Dynamics	4
PH-212	General Physics With Calculus	5
Western Culture Electives		4
	Credits	17
Spring Term		
ENGR-213	Strength of Materials	4
MTH-253	Calculus III	5
PH-213	General Physics With Calculus	5
Cultural Diversity Electives		4
	Credits	13
	Total Credits	105-106

Cultural Diversity Electives

ANT-232	Native Americans of North America	4
ENG-213	U.S. Latinx Literature	4
ENG-252	Hindu Mythology	4
GEO-110	Cultural & Human Geography	4
R-101	Judaism and Foundations of Religion	4
R-102	Christianity and Islam	4
R-103	Asian Religions	4
R-210	World Religions	4

Literature and the Arts Electives

ART-101	Art Appreciation	3
ART-204	History of Art/Ancient Through Medieval	4
ART-205	History of Art/Romanesque Through Baroque	4
ART-206	History of Art/Enlightenment Through Contemporary	4
ENG-104	Introduction to Literature: Fiction	4
ENG-105	Introduction to Literature: Drama	4
ENG-106	Introduction to Literature: Poetry	4
ENG-107	World Literature: Ancient Through Classical Times	4
ENG-108	World Literature: Early Middle Ages through the 18th Century	4
ENG-109	World Literature: The 19th through 21st Centuries	4
ENG-194	Introduction to Film	4
ENG-195	American Film	4
ENG-201	Shakespeare	4
ENG-202	Shakespeare	4
ENG-204	British Literature: Ancient to Enlightenment	4
ENG-205	British Literature: Romantic to Contemporary	4
ENG-213	U.S. Latinx Literature	4
ENG-226	Popular Literature	4
ENG-230	Documentary Film	4
ENG-250	Greek Mythology	4
ENG-251	Celtic Mythology	4
ENG-252	Hindu Mythology	4

ENG-255 American Literature: Topics in American Literature	4
ENG-260 Introduction to Women Writers	4
MUS-105 Music Appreciation	3
MUS-205 Music Literature: History of Jazz	4
MUS-206 Music Literature: History of Rock	4

Social Processes Electives

ANT-103 Cultural Anthropology	4
EC-201 Principles of Economics: Micro	4
EC-202 Principles of Economics: Macro	4
HST-101 History of Western Civilization	4
HST-102 History of Western Civilization	4
HST-103 History of Western Civilization	4
PS-201 American Government and Politics	4
PS-204 Introduction to Comparative Politics	4
PS-205 International Relations	4
PS-225 Introduction to Political Ideologies	4
PSY-200 Introduction to Psychology: Part 1	4
PSY-205 Introduction to Psychology: Part 2	4
PSY-219 Introduction to Abnormal Psychology	4
PSY-231 Introduction to Human Sexuality	4
SOC-204 Introduction to Sociology	4
SOC-205 Social Stratification & Social Systems	4
SOC-206 Institutions & Social Change	4

Western Culture Electives

ART-204 History of Art/Ancient Through Medieval	4
ART-205 History of Art/Romanesque Through Baroque	4
ART-206 History of Art/Enlightenment Through Contemporary	4
ENG-107 World Literature: Ancient Through Classical Times	4
ENG-108 World Literature: Early Middle Ages through the 18th Century	4
ENG-109 World Literature: The 19th through 21st Centuries	4
ENG-201 Shakespeare	4
ENG-202 Shakespeare	4
ENG-204 British Literature: Ancient to Enlightenment	4
ENG-205 British Literature: Romantic to Contemporary	4
ENG-250 Greek Mythology	4
ENG-251 Celtic Mythology	4
ENG-253 American Literature: Pre-Columbian to Civil War	4
ENG-254 American Literature: 1865 to Present	4
ENG-255 American Literature: Topics in American Literature	4
GEO-208 Geography of the United States & Canada	4
HST-101 History of Western Civilization	4
HST-102 History of Western Civilization	4
HST-103 History of Western Civilization	4
HST-132 History of Language and the Written Word in Western Civilization	4
HST-201 History of the United States	4
HST-202 History of the United States	4
HST-203 History of the United States	4

[K-Z04](#) HISTORY OF CHRISTIANITY

4

Optional

While not required for the AS degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State University. The Bachelor of Science degree requires the completion of one course from [each](#) ~~the~~ category below.

Biological Science Electives

BI-101	General Biology; Cellular Biology	4
BI-102	General Biology; Animal Systems	4
BI-103	General Biology; Plants & The Ecosystem	4
BI-165CL	Natural History of the Oregon Coast with Lab	4
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BI-176	Integrated Science Inquiry	4
BI-177	Integrated Science Inquiry	4
BI-204	Elementary Microbiology	4
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BI-234	Introductory Microbiology	4
ESR-171	Introduction to Environmental Science	4
ESR-172	Introduction to Climate Change	4
ESR-173	Introduction to Sustainability	4
Z-201	General Zoology	4
Z-202	General Zoology	4
Z-203	General Zoology	4

Difference, Power, and Discrimination Electives

HST-201	History of the United States	4
HST-202	History of the United States	4
HST-203	History of the United States	4
SOC-225	Social Problems	4

Physical Education Electives

HPE-295	Health & Fitness for Life	3
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Reviewer

Comments