

## **Program Suspensions**

February 7, 2020 (8-9:30am, CC127)

Program	Implementation
Paraeducator CC	2020/SU

Phone: (503) 378-3600

FAX: (503) 378-5156

255 Capitol Street NE Salem, OR 97310-0203

COMMUNITY **COLLEGES AND** DEVELOPMENT WORKSOURCE OREGON

**SUSPENSION** of Program

**Suspension Effective Date:** 

### COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

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

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

Current instructions, forms, handouts and other useful resources are located at http://www.ode.state.or.us/search/results/?id=231

College: Clackamas Community College						Date	1/10/2	020	
CAREER LEARNING AREA									
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<u> </u>	Ag, Food & Natural Resource Systems								
Arts, Information & Communication	ons			n Reso			stoms		
☐ Business & Management			indus	triai &	Engi	neering Sy	stems		
PROGRAM INFORMATION									
APPROVED		AP	PROV	ED	ſ	APPRO	VED	Current	
Program Title			P Cod		R	ecognitio		Credits	
		(Include							
			for OCC porting.						
(For Official Program Title, refer to your dire		6-digit C	<b>TIP</b> 7	th 8 <sup>th</sup>					
	<u>u=232</u> )		die	git digit					
AAS Title:						7 1000 010100	•-		
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Option Title**								<del>                                     </del>	
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						<b>J</b>			
Certificate Title: <u>Within AAS Degree? □ Y</u>	res** √					SSC1 Stat			
No Dornaducator		13.150	)1			Certificate	_	47	
Paraeducator  **Enter name of base degree in 'AAS Title' box						(45-60 cr	eaits)		
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☐ New Program++	, , , , , , , , , , , , , , , , , , , ,	culum R		.,		Revisio	n in Proa	ram Credits	
☐ Title Change for Program						Proposed To			
Proposed AAS Title:					4				
<b>Proposed</b> OPTION Title:									
<b>Proposed</b> Certificate Title:									

No longer academically relevant for students. Does not provide a good career pathway.

**Summer term 2020** 

Reason for Suspension:

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

## **CURRICULUM AMENDMENT**

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

	CURRENT CURRICULUM . [List entire curriculum as last appro			P	ROPOSED CURRICULE [List only course(s) to be amo	_	!
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Fall Term							
ED-100	Introduction to Education	33	3				
ED-113	Instructional Strategies in Reading & Language Arts	33	3				
ED-130	Comprehensive Classroom Management	33	3				
ED-235	Educational Technology	33	3				
Winter Term	1				-	-	
ED-169	Overview of Students with Special Needs	33	3				
ED-200	Foundations of Education	33	3				
ED-229	Learning & Development	33	3				
ED-254	Instructional Strategies for Dual Language Learners	33	3				
Spring Term	1						
ED-114	Instructional Strategies in Math & Science	33	3				
ED-131	Instructional Strategies	33	3				
ED-258	Multicultural Education	33	3				
ED-280	Practicum/CWE	108	3				
Summer Te	rm						
MTH-065	Algebra II	44	4				
WR-121	English Composition	44	4				
	General electives (any college level course)		3				
TOTAL CUI	RRENT CREDITS:		47	TOTAL PRO	OPOSED CREDITS:		

College Contact	Laurette Scott	Telephone No.	3840		
E-Mail Address	laurette@clackamas.edu	Fax No.			
Chief Academic Office PTE Dean Signature			Date	1/10/20	



Program Name: Paraeducator Certificate

**Program Type:** Career Technical Education

**Required Program Credits: 47** 

Plan Implementation Date: Starting the 2020-21 Academic Year

Date of Suspension of Student Admission: Summer 2020

Last Term of Program Teach Out: Spring 2020

# of Students in Program: 10

Source for Student Enrollment: Reporting data was supplied by Stephen Brouwers in

Planning and Research at CCC.

### **Teach Out Plan:**

**Background:** The Paraeducator Certificate requires suspension as it is no longer academically relevant or advantageous for students and does not provide a good pathway for achieving career goals in the field of Education.

In the past, employers sought out students with a Paraeducator Certificate, but now they longer require it. Continuing to offer the Paraeducator Certificate would be a disservice to our students as completing the certificate will only lead them to a dead-end path.

We wish to suspend the Paraeducator Certificate as of Summer 2020.

### **Teach-Out Plan Specifics:**

- The 10 students in the CC.PARAEDUCATOR program of study were emailed on 9/4/19 that the
  certificate would be suspended as of the 2020-21 academic year. The email informed the
  students that all courses related to the Paraeducator Certificate will continue to be offered
  through the 2019-2020 academic year and to contact Laurette Scott for any completion or
  substitution questions. We also offered Jodi Stapleton's contact information for advising
  assistance. We will continue to email students quarterly during the teach out period.
- 2. Following the 2019-2020 academic year, any completion or substitution questions or needs will continue be addressed by Laurette Scott, the Paraeducator Program Lead.
  - If courses are substituted, the student will not be required to pay for any more credits than they would have paid for in the original certificate.
  - Laurette Scott will continue to provide faculty advising assistance to students wishing to change their program of study.
    - Jodi Stapleton will also be available to provide advising assistance to students.

- 3. The suspension of the Paraeducator Certificate was approved by the Paraeducator Advisory Committee.
- 4. Post-suspension student inquiries regarding the Paraeducator Certificate will be informed by phone, email or in person that the certificate is no longer being offered and assistance of the faculty advisor or other advisor will be offered.

(This plan must allow students to complete a goal without being disadvantaged. The plan cannot cost the student additional money. The teach out plan can include solutions to situations that would result in additional student costs, such as offering free tuition to students for the additional courses they may have to complete in order to be awarded a degree. The teach-out plan should also consider how the department will handle students who want to return to the degree program, but were not enrolled in the program at the time of termination. The following grid must be completed as part of the Teach Out Plan.)

How will these promises to the students be	Describe
met?	The Paraeducator Teach-out plan will be available
	on the Education Department Drive for future
	reference.
Maintain the necessary experience, resources, and support services	Courses in the Paraeducator certificate program will continue to be taught at CCC allowing students to continue in the future. A Computer Science course can be substituted for the one course we will no longer offer. Students can complete in the future at no additional cost in the same time frame. Instructors and advisors will be able to assist students with completion plans
Remain stable, carry out its mission, and meet all its obligations to students	All the courses related to the Paraeducator Certificate will be offered through the 2019-2020 academic year. Any students wishing to complete the certificate after the 2019-2020 academic year can contact the Program Lead, Laurette Scott, for completion or substitution assistance.
Offer the program without additional charge	Students can complete by Spring 2020 with no additional charges beyond the normal costs.  Beyond Spring 2020, our advisors may substitute or waive required courses to assist with completion. Students will not be required to pay for more than the 47 credits on the original certificate.

### Communication plan with students:

(This plan must explain how students will receive communication regarding the suspension of a program. Examples include meetings, emails, and letters. In some cases multiple meetings at different times of the day may be required.)



## **Program Amendments**

February 7, 2020 (8-9:30am, CC127)

Program	Implementation
AS, Biological Engineering, OSU	
AS, Biology, OSU	
AS, Chemical Engineering, OSU	
AS, Civil Engineering, OSU	
AS, Civil/Environmental Engineering, PSU	
AS, Construction Engineering Management, OSU	
AS, Ecological Engineering, OSU	
AS, Electrical Engineering, OSU	
AS, Electrical/Computer Engineering, PSU	
AS, Energy Systems Engineering, OSU	
AS, Environmental Engineering, OSU	
AS, Industrial/Manufacturing Engineering, OSU	2020/SU
AS, Mechanical Engineering, OSU	
AS, Mechanical Engineering, PSU	
CTE Instruction CC	
Early Childhood Education & Family Studies AAS	
Early Childhood Education & Family Studies CC	
Electrician Apprenticeship Technologies AAS	
Fire Science (Wildland) CC	
Wilderness Survival & Leadership CPCC	
Wildland Fire Forestry CPCC	
Wildland Fire Management AAS	
Wildland FireFighter 1 CPCC	



Salem, OR 97310-0203

### **COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM**

College: Clackamas Community College					Date					
CAREER LEARNING AREA										
☐ Ag, Food & Natural Resource Syste	ems		☐ He	alth S	ervice	es				
☐ Arts, Information & Communication	ns		□ Hu	man l	Resou	rces				
☐ Business & Management			√ Inc	lustri	al & E	ngineerin	g Systems			
	PROGRAM	II N	IFORM	ATIO	ON					
APPROVED Program Title			APPRO CIP C ude 7th & 8 r OCCURS	ode	used		PROVED ition Award	Curre Cred		
AS Area of Emphasis Title: Engineering — Biological Engine	-					Appli	ciate of ed Science of Emphasis	107		
Partnering Institution Name Oregon State University										
Last amendment approved on 01.18.19										
TY	PE OF PR				DME	NT				
			LL That Ap							
□ New Agreement	□ Currio	culu	m Revi	sion		☐ Rev	vision in Prog	ıram C	redits	
				Propos	ed Total Credi	ts:				
□ SUSPENSION of Program	Reason for Su	uspens	sion:							
Suspension Effective Date:										
						_				

#### **CURRICULUM AMENDMENT** [List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping. For a New Program, complete the Proposed Curriculum section only.] **CURRENT CURRICULUM 19-20** PROPOSED CURRICULUM 20-21 [List entire curriculum as last approved) [List only course(s) to be amended] Clock Course Course Clock Number **Course Title** Hours Credits Number **Course Title** Hours Credits Program Requirements - 1st Year **Fall Term** COMM-111 44 4 **Public Speaking** ENGR-111 Introduction to Engineering 33 3 55 MTH-251 Calculus I 5 WR-121 44 **English Composition** 4 **Winter Term** BI-204 **Elementary Microbiology** 66 4 CH-221 **General Chemistry** 77 5 **ENGR-112 Engineering Programming** 33 3 MTH-252 Calculus II 55 5 **Spring Term** CH-222 **General Chemistry** 77 5 MTH-254 Vector Calculus 55 5 **Technical Report Writing** 44 4 WR-227 **Summer Term** CH-223 General Chemistry 77 5 MTH-256 **Differential Equations** 44 4 Social Process elective 1 Program Requirements - 2<sup>nd</sup> Year **Fall Term** CH-241 Organic Chemistry I 77 5 **ENGR-211 Statics** 44 4 PH-211 General Physics with 70 5 Calculus **Winter Term** CH-242 Organic Chemistry II 77 5 MTH-253 Calculus III 55 5 PH-212 General Physics with 70 5 Calculus **Spring Term** CH-243 Organic Chemistry III 77 5 **ENGR-201 Electrical Fundamentals** 66 4 70 PH-213 General Physics with 5 Calculus Western Culture elective 4 **Social Processes Elective ANT-103**: EC-201, 202; HST-101, 102, 103; **PS**-201, 204, 205, 225; **PSY-110**, 200, 205, 219, 231; SOC-204, 205, 206; **Western Culture Elective** ART-204, 205, 206; **ENG**-107, 108, 109, 201, 202, 204, 205, 250, 251, 253, 254, 255; **GEO**-208: **HST**-101, 102, 103, 132, 201, 202, 203; **PHL**-102; R-204; Optional: While not required for the A.S. degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State University. The Bachelor of Science degree requires the completion of one course from each category below.

<b>Cultural Diversity Elective</b>								
<b>ANT</b> -231, 232;								
<b>ENG</b> -213, 252;								
<b>R-</b> 101, 102, 103, 210;								
Literature and the Arts Ele	ctive							
<b>ART</b> -101, 102, 103, 204, 205	5, 206;		<b>ART</b> -101, <mark>1</mark>	<del>02, 103</del> , 204, 205, 206;				
<b>DMC</b> -194;			<b>DMC</b> -194;					
<b>ENG</b> -104, 105, 106, 107, 10	8, 109, 194, 195, 201, 202,	204, 205,	<b>ENG</b> -104, 1	05, 106, 107, 108, 109,	194, 195,	201, 202, 204, 205,		
213, 241, 250, 251, 252, 253	3, 254, 255, 260, 270;			50, 251, 252, 253, 254, 2	255, 260,	270;		
<b>MUS</b> -105, 205, 206;			<b>MUS</b> -105, 2	205, 206;				
Difference, Power, and Dis	scrimination Elective							
<b>HST-</b> 201, 202, 203;								
<b>SOC</b> -225								
Physical Education Elective	/e							
<b>HPE</b> -295								
TOTAL CURRENT CREE	DITS:	107	TOTAL P	ROPOSED CREDITS	:			
College Contact				Telephone No.				
E-Mail Address				Fax No.		_		
Chief Academic	_				Date	1/27/20		
Officer or CTE Dean			_			l , , ,		
Signature	Children I	-						



Salem, OR 97310-0203

# COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

College: Clackamas Communit		Date								
CAREER LEARNING AREA										
☐ Ag, Food & Natural Resource Syste			☐ Health Services							
☐ Arts, Information & Communications					Resou					
☐ Business & Management			√ Inc	lustri	al & E	ngineering Systems				
PROGRAM INFORMATION										
	PROGRA	M IN								
<u>APPROVED</u> Program Title			APPROVED CIP Code (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used			<u>APPROVED</u> Recognition Award	Current Credits			
		fo	r OCCURS I	reportin	g.)					
		<u>6-a</u>	<u>igit CIP</u>	<u>Z<sup>th</sup> digit</u>	<u>8<sup>th</sup></u> <u>digit</u>					
AS Area of Emphasis Title: Engineering — Chemical Enginee	ering				Associate of Applied Science Area of Emphasis	103				
Partnering Institution Name Oregon State University										
Last amendment approved on 01.18.19 TY	PE OF PR		RAM A LL That Ap		DME	NT				
□ New Agreement	□ Curri	culu	m Revi	sion		☐ Revision in Prog	ram Credits			
					Proposed Total Credit	s:				
□ <b>SUSPENSION</b> of Program	Reason for S	Suspens	sion:							
Suspension Effective Date:										
					·					

#### **CURRICULUM AMENDMENT** [List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping. For a New Program, complete the Proposed Curriculum section only.] **CURRENT CURRICULUM 19-20** PROPOSED CURRICULUM 20-21 [List entire curriculum as last approved) [List only course(s) to be amended] Course Hours Credits Course Title Credits Title Hours Program Requirements - 1st Year **Fall Term** COMM-111 **Public Speaking** 44 Introduction to Engineering ENGR-111 33 3 MTH-251 Calculus I 55 5 WR-121 **English Composition** 44 4 **Winter Term** CH-221 77 **General Chemistry** 5 **ENGR-112 Engineering Programming** 33 3 MTH-252 55 Calculus II 5 WR-227 **Technical Report Writing** 44 4 **Spring Term** CH-222 77 **General Chemistry** 5 MTH-254 Vector Calculus 55 5 Social Processes elective 4 **Summer Term** CH-223 **General Chemistry** 77 5 MTH-256 44 4 **Differential Equations** Program Requirements - 2<sup>nd</sup> Year **Fall Term** CH-241 77 5 Organic Chemistry I **ENGR-211 Statics** 44 4 PH-211 General Physics with 70 5 Calculus **Winter Term** CH-242 Organic Chemistry II 77 5 MTH-253 Calculus III 55 5 PH-212 General Physics with 70 5 Calculus **Spring Term** CH-243 Organic Chemistry III 5 **ENGR-201 Electrical Fundamentals** 66 4 PH-213 General Physics with 70 5 Calculus Western Culture elective 4 Social Processes Elective **ANT-103**; EC-201, 202; HST-101, 102, 103; **PS**-201, 204, 205, 225; **PSY-110**, 200, 205, 219, 231; SOC-204, 205, 206; Western Culture Elective **ART**-204, 205, 206; **ENG**-107, 108, 109, 201, 202, 204, 205, 250, 251, 253, 254, 255; **GEO**-208: **HST**-101, 102, 103, 132, 201, 202, 203; **PHL**-102; **R**-204; Optional: While not required for the A.S. degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State University. The Bachelor of Science degree requires the completion of one course from each category below.

**Cultural Diversity Elective** 

<b>ANT-</b> 231, 232; <b>ENG-</b> 213, 252;							
<b>R</b> -101, 102, 103, 210;							
Literature and the Arts Elect	tive						
<b>ART</b> -101, 102, 103, 204, 20 <b>DMC</b> -194; <b>ENG</b> -104, 105, 106, 107, 10 213, 241, 250, 251, 252, 25 <b>MUS</b> -105, 205, 206;	ART-101, 102, 103, 204, 205, 206; DMC-194; ENG-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 241, 250, 251, 252, 253, 254, 255, 260, 270; MUS-105, 205, 206;						
Difference, Power, and Disc	rimination Elective		_				
<b>HST</b> -201, 202, 203; <b>SOC</b> -225;							
Biological Science Elective							
<b>BI</b> -101, 102, 103, 175, 176, <b>ESR</b> -171, 172, 173; <b>Z</b> -201, 202, 203;	177, 204, 211, 212, 213, 23	34;					
Physical Education Elective			_				
<b>HPE-</b> 295;							
TOTAL CURRENT CRE	DITS:	103	TOTAL P	ROPOSED CREDITS			
College Contact				Telephone No.			
E-Mail Address				Fax No.			
Chief Academic Officer <i>or</i> CTE Dean Signature	Dus	3	len		Date	1/27/20	



Salem, OR 97310-0203

# COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

College: Clackamas Community College									
CAREER LEARNING AREA									
☐ Ag, Food & Natural Resource System	ns	H	ealth S	ervice	es	S			
☐ Arts, Information & Communication	ıs	П	uman l	Resou	rces				
☐ Business & Management		<b>√</b> I	ndustri	al & E	ngineerin	g Systems			
	ROGRAM 1		MATIO R <i>OVED</i>						
	<u>APPROVED</u>			•		<u>PROVED</u>	Current	t	
Program Title	a	CIP oclude 7 <sup>th</sup> 8	Code	used	Recogn	ition Award	Credits		
		for OCCUR	S reportin	g.)					
	<u> </u>	-digit CIP	<u>Z<sup>th</sup></u> <u>digit</u>	<u>8<sup>th</sup> digit</u>					
AS Area of Emphasis Title:					Assoc	ciate of		7	
Engineering – Civil Engineering						ed Science	97		
					Area	of Emphasis			
								_	
Partnering Institution Name									
Oregon State University									
								_	
Last amendment approved on 01.18.19									
TYF	PE OF PRO	_		DME	NT				
		ALL That	,						
□ New Agreement	☐ Curricul	um Re	/ision		☐ Rev	vision in Prog	ram Cred	its	
					Propos	ed Total Credit	s:		
☐ <i>SUSPENSION</i> of Program	Reason for Suspe	ension:							
Suspension Effective Date:									
_									

#### **CURRICULUM AMENDMENT** [List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping. For a New Program, complete the Proposed Curriculum section only.] **CURRENT CURRICULUM 19-20** PROPOSED CURRICULUM 20-21 [List entire curriculum as last approved) [List only course(s) to be amended] Course Title Hours Credits Course Title Hours Credits Program Requirements - 1st Year **Fall Term** CH-221 **General Chemistry** Introduction to Engineering 33 3 **ENGR-111** MTH-251 Calculus I 55 5 WR-121 **English Composition** 44 4 **Winter Term** CDT-103 Computer-Aided Drafting I 66 3 CH-222 **General Chemistry** 77 5 ENGR-112 33 3 **Engineering Programming** 55 MTH-252 Calculus II 5 **Spring Term** COMM-111 44 **Public Speaking** 4 EC-201 Principles of Economics: 44 4 **MICRO** MTH-254 Vector Calculus 55 5 WR-227 44 4 **Technical Report Writing Summer Term** GIS-201 Introduction to Geographic 66 3 Information Systems MTH-256 **Differential Equations** 44 Program Requirements - 2<sup>nd</sup> Year **Fall Term** ENGR-211 44 **Statics** 4 PH-211 General Physics with 70 5 Calculus Western Culture elective 4 **Winter Term** ENGR-212 Dynamics 44 4 MTH-253 Calculus III 55 5 PH-212 General Physics with 70 5 Calculus **Spring Term** ENGR-201 **Electrical Fundamentals** 66 4 ENGR-213 Strength of Materials 44 4 PH-213 General Physics with 70 5 Calculus **Western Culture Elective** ART-204, 205, 206; **ENG**-107, 108, 109, 201, 202, 204, 205, 250, 251, 253, 254, 255; **GEO**-208: **HST-**101, 102, 103, 132, 201, 202, 203; **PHL-102**: **R**-204; Optional: While not required for the A.S. degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State University. The Bachelor of Science degree requires the completion of one course from each category below. **Cultural Diversity Elective** ANT-231, 232; ENG-213, 252; **R**-101, 102, 103, 210; Literature and the Arts Elective

**ART-**101, <del>102, 103,</del> 204, 205, 206;

ART-101, 102, 103, 204, 205, 206;

<b>DMC</b> -194; <b>ENG</b> -104, 105, 106, 107, 10 213, 241, 250, 251, 252, 253 <b>MUS</b> -105, 205, 206;	08, 109, 194, 195, 201, 202, 2 3, 254, 255, 260, 270;	194, 195, 255, 260,	201, 202, 270;	204, 205,			
Difference, Power, and Disc	rimination Elective						
<b>HST-</b> 201, 202, 203; <b>SOC-</b> 225;							
Biological Science Elective							
<b>BI</b> -101, 102, 103, 175, 176, <b>ESR</b> -171, 172, 173; <b>Z</b> -201, 202, 203;	177, 204, 211, 212, 213, 234	;					
TOTAL CURRENT CREE	DITS:	97	TOTAL PROPOSED CREDITS:				
College Contact				Telephone No.			
E-Mail Address				Fax No.			
Chief Academic Officer <i>or</i> CTE Dean Signature	Dus	3	in		Date	1/27/2	20



Salem, OR 97310-0203

## **COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM**

<b>College: Clackamas Community</b>	ollege: Clackamas Community College					Date				
-										
C	AREER I	LEA	RNING	ARI	Α					
☐ Ag, Food & Natural Resource System	ns		☐ He	alth S	ervice	es				
☐ Arts, Information & Communication	S		□Hu	man l	Resou	ırces				
☐ Business & Management			√ Inc	lustri	al & E	ngineerin	g Systems			
PI	ROGRAN	1 IN	IFORM	ATIO	N					
<u>APPROVED</u> Program Title	Program Title			APPROVED CIP Code (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)			PROVED ition Award	Curre Credi		
		<u>6-d</u>	igit CIP	<u>Z<sup>th</sup></u> <u>digit</u>	<u>8<sup>th</sup> digit</u>					
AS Area of Emphasis Title: Engineering — Civil/Environment					Appli	ciate of ed Science of Emphasis	96-1	00		
Partnering Institution Name Portland State University										
Last amendment approved on 04.05.19										
ТҮР	PE OF PR (Ch		RAM A LL That Ap		DME	NT				
□ New Agreement	□ Currio	cului	m Revi	sion		□ Rev	ision in Prog	ıram Cı	redits	
						Propos	ed Total Credi	ts:		
□ SUSPENSION of Program	Reason for Su	ispens	sion:							
Suspension Effective Date:										

#### CURRICULUM AMENDMENT [List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping. For a New Program, complete the Proposed Curriculum section only.] **CURRENT CURRICULUM 19-20** PROPOSED CURRICULUM 20-21 [List entire curriculum as last approved) [List only course(s) to be amended] Course Hours Credits Course Title Title Hours Credits **Program Requirements - First Year Fall Term** CH-221 **General Chemistry** 77 5 33 3 **ENGR-111** Introduction to Engineering MTH-251 Calculus I 55 5 WR-121 **English Composition** 44 4 **Winter Term** BI-204\* 66 4 Elementary Microbiology **General Chemistry** 77 5 CH-222 ENGR-112 33 **Engineering Programming** 3 55 MTH-252 Calculus II 5 **Spring Term** COMM-111 44 **Public Speaking** 4 GIS-201 Introduction to Geographic 66 3 Information Systems MTH-254 Vector Calculus 55 5 44 WR-227 **Technical Report Writing** 4 Arts & Letters elective 4 Program Requirements - Second Year **Fall Term ENGR-211 Statics** PH-211 General Physics with 70 5 Calculus Arts & Letters elective 4 Social Science elective 4 **Winter Term CDT-103** Computer-Aided Drafting I 66 3 Dynamics ENGR-212 44 4 MTH-256 Differential Equations 44 4 PH-212 General Physics with 70 5 Calculus **Spring Term** ENGR-213 Strength of Materials 44 4 44 MTH-261 Linear Algebra 4 70 PH-213 General Physics with 5 Calculus Arts & Letters or Social 4 Science elective **Catalog Note:** \*Environmental Track only **Arts & Letters Electives** All courses in ASL, COMM, ENG, FR, GER, HUM, PHL, SPN, All courses in ASL, COMM, ENG, FR, GER, HUM, PHL, SPN, WR. Note that native speakers should only take advanced (300 WR. Note that native speakers should only take advanced (300 level or above) foreign language courses. Non-performance based level or above) foreign language courses. Non-performance based courses in art, journalism, music, and theater also meet this courses in art, journalism, music, and theater also meet this requirement. requirement. The accepted courses at CCC are: The accepted courses at CCC are: **ART-**101, <del>102, 103</del>, 205, 206; ART-101, 102, 103, 205, 206; **J**-211; **J-**211; MUS-105, 141, 205, 206, 230; MUS-105, 141, 205, 206, 230; TA-101, 102; **TA-101**, 102; **Social Science Electives** All courses in ANT, EC, GEO, HST, PS, PSY, SOC, SSC, and WS.

Recommended:

Recommended: Civil Engineers should take Plane Surveying (CE-211/CS-212) at PSU before beginning their junior year at PSU.  The course is offered in the spring and summer terms at PSU. It is also recommended that a civil/environmental engineering student complete one additional Arts & Letters or Social Science elective.							
TOTAL CURRENT CREE	DITS:	96-100	TOTAL PROPOSED CREDITS:				
College Contact	Eric Lee			Telephone No.	6163		
E-Mail Address				Fax No.		_	
Chief Academic Officer <i>or</i> CTE Dean Signature	Jus	3	an		Date	1/27/2	<b>20</b>



Salem, OR 97310-0203

### **COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM**

College: Clackamas Communit	ollege: Clackamas Community College										
	CAREER LE	AR	NING	ARE	Α						
☐ Ag, Food & Natural Resource System	ems		☐ Hea	alth S	ervice	es					
☐ Arts, Information & Communication	ons		☐ Hui	man R	esou	urces					
☐ Business & Management			√ Ind	lustria	ıl & Eı	ngineerin	g Systems				
	PROGRAM	INF	FORM	ATIO	N						
<u>APPROVED</u> Program Title		Includ	APPROVED CIP Code clude 7th & 8th digits used for OCCURS reporting.) digit CIP  digit digit digit				PROVED ition Award	Curr Cred			
AS Area of Emphasis Title: Engineering — Construction Engineering Management				<u>uigit</u>	<u>urgre</u>	Appli	ciate of ed Science of Emphasis	91-9	93		
Partnering Institution Name Oregon State University  Elective credits changed during catalog edits, NOT APPR	ROVED										
Last amendment approved on 01.18.19											
TY	PE OF PRO	_	AM A L That Ap		DME	NT					
□ New Agreement	□ Curricu	lum	ı Revi	sion		□ Rev	vision in Prog	jram C	Credits		
						Propos	<i>ed</i> Total Credi	ts:			
□ SUSPENSION of Program	Reason for Susp	pensio	on:			•					
Suspension Effective Date:											

#### **CURRICULUM AMENDMENT** [List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping. For a New Program, complete the Proposed Curriculum section only.] **CURRENT CURRICULUM 19-20** PROPOSED CURRICULUM 20-21 [List entire curriculum as last approved) [List only course(s) to be amended] Clock Course Course Clock Number **Course Title** Hours Credits Number **Course Title** Hours Credits Program Requirements - 1st Year **Fall Term** CH-221 77 **General Chemistry** 5 ENGR-111 Introduction to Engineering 33 3 55 MTH-251 Calculus I 5 44 WR-121 **English Composition** 4 **Winter Term** BA-226 Business Law I 44 4 **CDT-103** Computer-Aided Drafting I 66 3 **ENGR-112 Engineering Programming** 33 3 MTH-252 Calculus II 55 5 **Spring Term** EC-201 Principles of Economics: 44 4 **MICRO** EC-202 Principles of Economics: 44 4 **MACRO** Biological Science elective 4-5 Literature and the Arts 3-4 elective Program Requirements - 2<sup>nd</sup> Year **Fall Term** ENGR-211 44 4 **Statics** HPE-295 Health & Fitness for Life 60 3 PH-211 General Physics with 70 5 Calculus **Winter Term** BA-215 Fundamentals of Accounting 4 (online through OSU) PH-212 General Physics with 70 5 Calculus PHL-102 **Ethics** 44 4 Cultural Diversity elective 4 **Spring Term** COMM-111 **Public Speaking** 44 4 **ENGR-213** Strength of Materials 44 4 ENGR-390 **Engineering Economy** 3 (online through OSU) WR-227 **Technical Report Writing** 44 4 **Cultural Diversity Elective** ANT-231, 232: ENG-213, 252; **R**-101, 102, 103, 210; Literature and the Arts Elective ART-101, 102, 103, 204, 205, 206; **ART**-101, <del>102, 103</del>, 204, 205, 206; **DMC**-194; **DMC**-194: **ENG-**104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, **ENG**-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 241, 250, 251, 252, 253, 254, 255, 260, 270; 213, 241, 250, 251, 252, 253, 254, 255, 260, 270; MUS-105, 205, 206; MUS-105, 205, 206; **Biological Science Elective BI-**101, 102, 103, 175, 176, 177, 204, 211, 212, 213, 234; **ESR**-171, 172, 173; **Z**-201, 202, 203; **Catalog Notes**

Optional: While not required complete additional coursew requirements for the Bachelo University. The Bachelor of Scompletion of one course from	rork at CCC that will meet or of Science degree at Oreq Science degree requires the	gon State					
Difference, Power, and Dis	crimination Elective						
<b>HST-</b> 201, 202, 203; <b>SOC-</b> 225;							
TOTAL CURRENT CREE	DITS:	91-93	TOTAL PROPOSED CREDITS:				
College Contact				Telephone No.			
E-Mail Address				Fax No.		_	
Chief Academic Officer or CTE Dean Signature	Dur	3	Cer		Date	1/27/2	0



Salem, OR 97310-0203

# COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

College:   Clackamas Community College   Date									
	CAREER	ΙΕΛ	DNTNC	: ADI	FΛ				
☐ Ag, Food & Natural Resource Syste		LLA	-		ervic	<u> </u>			
☐ Arts, Information & Communication		☐ Human Resources							
☐ Business & Management	7113		_			ingineering S	Svetome		$\dashv$
			V 1110	au Sti i	ai & L	ingineering t	Зузсеніз		
	PROGRAI	M IN	IFORM	ATIO	ON				
<u>`</u>			APPROVED CIP Code lude 7th & 8th digits used or OCCURS reporting.) ligit CIP   7th   8th			<u>APPRO</u> Recogn Awa	nition	Current Credits	
AS Area of Emphasis Title: Engineering — Ecological Engine			<u>digit</u>	<u>digit</u>	Associate of Science Are Emphasis		102-10	3	
Partnering Institution Name Oregon State University									
ast amendment approved on 01.18.19									
TY	PE OF PR		RAM A LL That Ap		DME	NT			
□ New Agreement	□ Curri	culu	m Revi	sion		□ Revis	ion in Pro	gram Cre	dits
						Proposed	Total Cred	lits:	
□ SUSPENSION of Program	Reason for S	iuspens	sion:						
Suspension Effective Date:									
						<del></del>			

#### **CURRICULUM AMENDMENT** [List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping. For a New Program, complete the Proposed Curriculum section only.] **CURRENT CURRICULUM 19-20** PROPOSED CURRICULUM 20-21 [List entire curriculum as last approved) [List only course(s) to be amended] Course Title Hours Credits Course Title Credits Hours Program Requirements - 1st Year **Fall Term** COMM-111 **Public Speaking** 44 Introduction to Engineering 33 ENGR-111 3 MTH-251 Calculus I 55 5 WR-121 **English Composition** 44 4 **Winter Term** CH-221 77 **General Chemistry** 5 **ENGR-112 Engineering Programming** 33 3 MTH-252 55 Calculus II 5 Literature and the Arts 3-4 Elective **Spring Term** CH-222 **General Chemistry** 77 5 MTH-254 55 Vector Calculus 5 WR-227 **Technical Report Writing** 44 4 **Summer Term** CH-223 77 **General Chemistry** 5 MTH-256 **Differential Equations** 44 4 Program Requirements - 2<sup>nd</sup> Year **Fall Term** BI-211 General Biology for Science 77 5 Majors (Cellular Biology) ENGR-211 Statics 44 4 PH-211 General Physics with 70 5 Calculus **Winter Term** BI-212 General Biology for Science 77 5 Majors (Animal Biology) MTH-253 Calculus III 55 5 PH-212 General Physics with 70 5 Calculus **Spring Term** BI-213 General Biology for Science 77 5 Majors (Plant Biology & Ecology) ENGR-213 Strength of Materials 44 4 70 PH-213 General Physics with 5 Calculus Western Culture elective 4 **Western Culture Elective** ART-204, 205, 206; **ENG**-107, 108, 109, 201, 202, 204, 205, 250, 251, 253, 254, 255; **HST**-101, 102, 103, 201, 202, 203; **PHL**-102; R-204: Optional: While not required for the A.S. degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science Degree at Oregon State University. The Bachelor of Science degree requires the completion of one course from each category below **Cultural Diversity Elective** ANT-231, 232;

**ENG**-213, 252; **R**-101, 102, 103, 210;

Literature and the Arts Ele	ective							
<b>ART</b> -101, 102, 103, 204, 20 <b>DMC</b> -194; <b>ENG</b> -104, 105, 106, 107, 10 213, 241, 250, 251, 252, 253 <b>MUS</b> -105, 205, 206;	98, 109, 194, 195, 201, 202,	204, 205,	<b>ART</b> -101, 102, 103, 204, 205, 206; <b>DMC</b> -194; <b>ENG</b> -104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 241, 250, 251, 252, 253, 254, 255, 260, 270; <b>MUS</b> -105, 205, 206;					
Difference, Power, and Discrimination Elective								
<b>HST</b> -201, 202, 203; <b>SOC</b> -225;								
Physical Education Elective	/e							
<b>HPE</b> -295;								
TOTAL CURRENT CREE	DITS:	102-103	TOTAL P	ROPOSED CREDITS	<u>:</u>			
College Contact				Telephone No.				
E-Mail Address				Fax No.				
Chief Academic Officer <i>or</i> CTE Dean Signature	Dust	30	in		Date	1/27/2	.0	



Salem, OR 97310-0203

# COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

College: Clackamas Communit	College: Clackamas Community College Date								
	CAREER	LEA	RNING	ARI	EA				
☐ Ag, Food & Natural Resource Syste	ems		☐ He	alth S	Servic	es			
☐ Arts, Information & Communication	ns		□ Hu	man l	Resou	ırces			
☐ Business & Management			√ Inc	lustri	al & E	ngineerin	g Systems		
	PROGRAI	M TR	IEODM	ATT/	) NI				
	PROGRA	1 TI				AD	PROVED	Curre	ont
<u>APPROVED</u> Program Title			APPRO CIP C				ition Award	Credi	
riogiam ride			ude 7 <sup>th</sup> & 8	th digits	used	Recogn	icion Awara		
			r OCCURS	reportin <u>7</u> th	g.) <u>8<sup>th</sup></u>				
				<u>digit</u>	<u>digit</u>				
AS Area of Emphasis Title:	_						ciate of		
Engineering – Electrical Engine	ering						ed Science of Emphasis	102	
						Aica	or Emphasis		
Partnering Institution Name									
Oregon State University									
Last amondment anniversal on 01 19 10								-	
Last amendment approved on 01.18.19	PE OF PE	206	DAM A	MEN	DME	NT			
"	_		LL That Ap			.141			
□ New Agreement	☐ Curri	culu	m Revi	sion		☐ Rev	vision in Prog	ram Cr	redits
						Propos	ed Total Credit	s:	
						110,000			
☐ <i>SUSPENSION</i> of Program	Reason for S	uspens	sion:			-			
Suspension Effective Date:									
	-								

#### **CURRICULUM AMENDMENT** [List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping. For a New Program, complete the Proposed Curriculum section only.] **CURRENT CURRICULUM 19-20** PROPOSED CURRICULUM 20-21 [List entire curriculum as last approved) [List only course(s) to be amended] Credits Course Course Title Hours Hours Credits Title Program Requirements - First Year **Fall Term** CS-161 44 4 Computer Science I ENGR-111 Introduction to Engineering 33 3 55 MTH-251 Calculus I 5 WR-121 44 **English Composition** 4 **Winter Term** CH-221 **General Chemistry** 77 5 CS-162 Computer Science II 44 4 **ENGR-112 Engineering Programming** 33 3 MTH-252 Calculus II 55 5 **Spring Term** CS-260 **Data Structures** 44 4 MTH-253 Calculus III 55 5 WR-227 44 4 **Technical Report Writing** Social Processes elective 4 **Summer Term** COMM-111 Public Speaking 44 4 MTH-256 44 1 **Differential Equations** Program Requirements - Second Year **Fall Term ENGR-221** Electrical Circuit Analysis I 33 4 MTH-254 Vector Calculus 55 5 PH-211 General Physics with 70 5 Calculus **Winter Term ENGR-171** 66 4 Digital Logic ENGR-222 Electrical Circuit Analysis II 66 4 Elements of Discrete 4 MTH-231 44 Mathematics PH-212 General Physics with 70 5 Calculus **Spring Term ENGR-223** Electrical Circuit Analysis III 66 4 PH-213 General Physics with 70 5 Calculus Western Culture elective 4 **Social Processes Elective ANT-103**: EC-201, 202; HST-101, 102, 103; **PS**-201, 204, 205, 225; **PSY**-110, 200, 205, 219, 231; SOC-204, 205, 206; **Western Culture Elective** ART-204, 205, 206; **ENG-**107, 108, 109, 201, 202, 204, 205, 250, 251, 253, 254, 255; **GEO**-208; HST-101, 102, 103, 132, 201, 202, 203; PHL-102; R-204; Optional: While not required for the A.S. degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State

University. The Bachelor of completion of one course from						
<b>Cultural Diversity Elective</b>						
<b>ANT</b> -231, 232; <b>ENG</b> -213, 252; <b>R</b> -101, 102, 103, 210;						
Literature and the Arts Ele	ctive					
<b>ART</b> -101, 102, 103, 204, 20 <b>DMC</b> -194; <b>ENG</b> -104, 105, 106, 107, 10 213, 250, 251, 252, 253, 254 <b>MUS</b> -105, 205, 206;	8, 109, 194, 195, 201, 202, 204, 205,	<b>DMC</b> -194; <b>ENG</b> -104, 1	<del>02, 103</del> , 204, 205, 206; 05, 106, 107, 108, 109, 51, 252, 253, 254, 255, 2 205, 206;	, ,	201, 202,	204, 205,
Difference, Power, and Dis	scrimination Elective					
<b>HST-</b> 201, 202, 203; <b>SOC-</b> 225;						
<b>Biological Science Electiv</b>	e					
<b>ESR-</b> 171, 172, 173; <b>Z-</b> 201, 202, 203;	177, 204, 211, 212, 213, 234;					
Physical Education Elective	/e					
<b>HPE-</b> 295;						
TOTAL CURRENT CREE	<b>DITS</b> : 102	TOTAL P	ROPOSED CREDITS:			
College Contact			Telephone No.			
E-Mail Address			Fax No.			
Chief Academic Officer <i>or</i> CTE Dean Signature	Jus 30	in		Date	1/27/2	<b>:</b> 0



Salem, OR 97310-0203

# COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

College: Clackamas Communit	lege: Clackamas Community College								
	CAREER	I E A	DNITNI	` A D'	= A				
	CAREER	LEA							
Ag, Food & Natural Resource Syste					ervic				
Arts, Information & Communication	ons				Resou				
☐ Business & Management			√ Inc	lustri	al & E	ngineerin	g Systems		
	PROGRAI	M TN	IFORM	ΔΤΙ	)N				
<u>APPROVED</u> Program Title	APPROVED CIP Code (Include 7th & 8th digits used for OCCURS reporting.)				PROVED ition Award	Curre Credit			
		<u>0-u</u>	igit CIP	<u>Z<sup>th</sup></u> <u>digit</u>	<u>8<sup>th</sup> digit</u>				
AS Area of Emphasis Title: Engineering — Electrical/Compu					Appli	ciate of ed Science of Emphasis	101- 106		
Partnering Institution Name Portland State University									
Last amendment approved on 01.18.19									
ТҮ	PE OF PF (Cl		RAM A LL That Ap		DME	NT			
□ New Agreement	□ Curri	culu	m Revi	sion		□ Rev	vision in Prog	ram Cr	edits
						Propos	<i>ed</i> Total Credi	ts:	
□ <b>SUSPENSION</b> of Program	Reason for S	Suspens	sion:						
Suspension Effective Date:									

### **CURRICULUM AMENDMENT**

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

	CURRENT CURRICULUI [List entire curriculum as last app			Pi	ROPOSED CURRICO [List only course(s) to be		
Course	Title	Hours	Credits	Course	Title	Hours	Credits
		Progra		nents – First Ye	ar		
			Fall 1	Term			
CH-221	General Chemistry	77	5				
CS-161	Computer Science I	44	4				
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
		•	Winter	r Term			
CS-162	Computer Science II	44	4				
ENGR-112	Engineering Programming	33	3				
ENGR-171	Digital Logic	66	4				
MTH-252	Calculus II	55	5				
	-		Spring	Term			
COMM-111	Public Speaking	44	4				
ENGR-271	Digital Systems	66	4				
MTH-261	Linear Algebra	44	4				
WR-121	English Composition	44	4				
	_	_	Summe	er Term			_
WR-122	English Composition	44	4				
Or WR-227	or						
VVK-221	Technical Report Writing	Drogran	n Boquirom	ents – Second \	/oor		
		Program	Fall		i eai		
ENGR-221	Electrical Circuit Analysis I	33	4	eiiii		<del>- 1</del>	
MTH-254*	Vector Calculus	55	5				
PH-211	General Physics with	70	5				
111-211	Calculus	70	3				
	Arts & Letters elective		4				
			Winter	r Term			
ENGR-222	Electrical Circuit Analysis II	66	4				
MTH-256	Differential Equations	44	4				
PH-212	General Physics with	70	5				
	Calculus						
	Social Science elective		4				
			Spring	Term			
ENGR-223	Electrical Circuit Analysis III	66	4				
MTH-253	Calculus III	55	5				
PH-213	General Physics with Calculus	70	5				
	Arts & Letters or Social Science elective		4				

\*Electrical Track only

### Arts & Letters or Social Science Electives

### **Arts & Letters**

All courses in ASL, COMM, ENG, FR, GER, HUM, PHL, SPN, **WR**. Note that native speakers should only take advanced (300 level or above) world language courses. Non-performance based courses in art, journalism, music, and theater also meet this

requirement.

The accepted courses at CCC are:

**ART**-101, 102, 103, 205, 206;

**J**-211;

MUS-105, 141, 205, 206, 230;

**TA**-101, 102;

All courses in ASL, COMM, ENG, FR, GER, HUM, PHL, SPN,

**WR**. Note that native speakers should only take advanced (300 level or above) world language courses. Non-performance based courses in art, journalism, music, and theater also meet this requirement.

The accepted courses at CCC are: **ART**-101, 102, 103, 205, 206;

**J**-211;

MUS-105, 141, 205, 206, 230;

**TA**-101, 102;

**Social Science** 

All courses in ANT, EC, GEO, HST, PS, PSY, SOC, SSC, and		C, and				
WS.						
TOTAL CURRENT CREE	DITS:	101-106	TOTAL P	ROPOSED CREDITS:		
College Contact				Telephone No.		
E-Mail Address				Fax No.		
Chief Academic Officer <i>or</i> CTE Dean Signature	Durch	3	<u> </u>		Date	1/27/20



Salem, OR 97310-0203

# COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

College: Clackamas Communit	y College	e				Date				
	CAREER	LEA	RNING	ARI	EA					
☐ Ag, Food & Natural Resource Syste	ems		☐ He	alth S	Service	es				
☐ Arts, Information & Communication	ns	☐ Human Resources								
☐ Business & Management			√ Inc	dustri	al & E	ngineerin	g Systems			
					221					
	PROGRA	MIN						1-	_	
<u>APPROVED</u> Program Title			APPRO CIP C				<i>PROVED</i> nition Award	Curr		
Program rice		(Incl	ude 7 <sup>th</sup> & 8	3 <sup>th</sup> digits	used	Recogn	iitioii Awai u	Cred	iits	
			r OCCURS	reportin	<b>19.)</b>					
<u>digit</u> <u>digit</u>										
AS Area of Emphasis Title:							ciate of			
Engineering – Energy Systems							ed Science	96-9	98	
Engineering						Area	of Emphasis			
Partnering Institution Name										
Oregon State University										
ast amendment approved on 05.17.19										
IY	PE OF PF (Cl		RAM A LL That Ap		IDME	NI				
☐ New Agreement	☐ Curri	culu	m Revi	sion		☐ Rev	ision in Prog	ram C	redits	
						Propos	ed Total Credit	:s:		
☐ <i>SUSPENSION</i> of Program	Reason for Suspension:									
☐ <i>SUSPENSION</i> of Program										
Suspension Effective Date:										

#### **CURRICULUM AMENDMENT** [List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping. For a New Program, complete the Proposed Curriculum section only.] **CURRENT CURRICULUM 19-20** PROPOSED CURRICULUM 20-21 [List entire curriculum as last approved) [List only course(s) to be amended] Course Hours Credits Course Title Title Hours Credits Program Requirements - First Year **Fall Term** CH-221 **General Chemistry** 33 3 **ENGR-111** Introduction to Engineering MTH-251 Calculus I 55 5 WR-121 **English Composition** 44 4 **Winter Term** CH-222 77 **General Chemistry** 5 **ENGR-112 Engineering Programming** 33 3 MTH-252 Calculus II 55 5 **Spring Term** COMM-111 **Public Speaking** 44 4 EC-201 44 Principles of Economics: 4 **MICRO** MTH-254 Vector Calculus 55 5 WR-227 **Technical Report Writing** 44 4 **Summer Term** MTH-256 44 Differential Equations 4 Program Requirements - Second Year **Fall Term** BA-211 Financial Accounting I 44 4 ENGR-211 44 4 **Statics** ENGR-221 Electrical Circuit Analysis I 4 33 PH-211 General Physics with 70 5 Calculus **Winter Term ENGR-212 Dynamics** 44 4 ENGR-222 Electrical Circuit Analysis II 66 4 70 5 PH-212 General Physics with Calculus **Spring Term** PH-213 General Physics with 70 5 Calculus Engineering elective 3-4 Literature and the Arts 3-4 Elective Western Culture elective 4 **Engineering Elective** ENGR-115, 213, 223; **Western Culture Elective** ART-204, 205, 206; **ENG-**107, 108, 109, 201, 202, 204, 205, 250, 251, 253, 254, 255; **HST**-101, 102, 103, 132, 201, 202, 203; **PHL**-102; **R**-204; Literature and the Arts Elective ART-101, 102, 103, 204, 205, 206; **ART**-101, <del>102, 103</del>, 204, 205, 206; **DMC**-194: **DMC**-194; **ENG**-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, **ENG**-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 241, 250, 251, 252, 253, 254, 255, 260, 270; 213, 241, 250, 251, 252, 253, 254, 255, 260, 270; **MUS**-105, 205, 206; **MUS**-105, 205, 206; **Optional:** While not required for the A.S. degree, students may complete additional coursework at CCC that will meet

requirements for the Bachelor of Science degree at Oregon State

University. The Bachelor of Scompletion of one course from									
Cultural Diversity Elective									
<b>ANT-</b> 231, 232; <b>ENG-</b> 213, 252; <b>R-</b> 101, 102, 103, 210;									
Difference, Power, and Discrimination Elective									
<b>HST</b> -201, 202, 203; <b>SOC</b> -225;									
Biological Science Elective	9								
<b>BI</b> -101, 102, 103, 175, 176, 177, 204, 211, 212, 213, 234; <b>ESR</b> -171, 172, 173; <b>Z</b> -201, 202, 203;									
Physical Education Elective									
<b>HPE-</b> 295;									
TOTAL CURRENT CREDITS: 96-98			TOTAL PROPOSED CREDITS:						
College Contact	Eric Lee			Telephone No.	X6163				
E-Mail Address				Fax No.		_			
Chief Academic Officer <i>or</i> CTE Dean Signature	Just	3	a		Date	1/27/20			



Salem, OR 97310-0203

# COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

College: Clackamas Community College						Date			
CAREER LEARNING AREA									
☐ Ag, Food & Natural Resource Systems ☐ Health Services									
☐ Arts, Information & Communications ☐ Human Resources									
□ Business & Management									
PROGRAM INFORMATION									
APPROVED Program Title		fo	APPROVED CIP Code Include 7th & 8th digits used for OCCURS reporting.)  6-digit CIP    Zh   8th   6th   6th					Curre Cred	
AS Area of Emphasis Title: Engineering — Environmental Engineering						Associate of Applied Sci Area of Em	ience	110	
Partnering Institution Name Oregon State University									
Last amendment approved on 01.18.19									
TYPE OF PROGRAM AMENDMENT (Check ALL That Apply)									
□ New Agreement	□ Curriculum Revision			☐ Revision in Program Credits					
					Proposed Total Credits:		ts:		
□ <b>SUSPENSION</b> of Program	Reason for S	Suspens	sion:						
Suspension Effective Date:									

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.

For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 19-20			Proposed Curriculum section only.]  PROPOSED CURRICULUM 20-21					
Course	[List entire curriculum as last ap	Hours	Credits	Course	[List only course(s) to be a	Hours	Credits	
Godise	Titlo			nents – First `		110010	Greate	
Fall Term								
ENGR-111	Introduction to Engineering	33	3					
MTH-251	Calculus I	55	5					
WR-121	English Composition	44	4					
	Social Processes elective		4					
Winter Term			_		_	_		
CH-221	General Chemistry	77	5					
ENGR-112	Engineering Programming	33	3					
MTH-252	Calculus II	55	5					
WR-227	Technical Report Writing	44	4					
Spring Term								
CH-222	General Chemistry	77	5					
ENGR-115	Engineering Graphics	33	3					
MTH-254	Vector Calculus	55	5					
	Western Culture elective		4		<u> </u>			
Summer Terr	-	<del>-1</del>	<del>1</del> _		-	-		
CH-223	General Chemistry	77	5					
COMM-111	Public Speaking	44	4					
MTH-256	Differential Equations	44	4	0	T.V.			
F-0. T		Prograi	m Requiremo	ents - Second	1 Year			
Fall Term	Overania Chamietmi I	77	1.		<u></u>	<del>- 1</del>		
CH-241	Organic Chemistry I	77	5					
ENGR-211 PH-211	Statics General Physics with	44 70	4					
PH-211	Calculus	70	5					
Winter Term	0.000							
CH-242	Organic Chemistry II	77	5		Ī	1		
ENGR-212	Dynamics	44	4					
PH-212	General Physics with Calculus	70	5					
Spring Term			_		_	_		
CH-243	Organic Chemistry III	77	5					
ENGR-213	Strength of Materials	44	4					
MTH-253	Calculus III	55	5					
PH-213	General Physics with Calculus	70	5					
Social Proce	sses Elective							
<b>SOC</b> -204, 20	205, 225; 0, 205, 219, 231; 5, 206;							
Western Cult	ture Elective							
<b>GEO</b> -208; <b>HST</b> -101, 102 <b>PHL</b> -102; <b>R</b> -204;	8, 109, 201, 202, 204, 205, 250 2, 103, 132, 201, 202, 203;							
complete add	ile not required for the A.S. deg itional coursework at CCC that for the Bachelor of Science deg	will meet	•					

University. The Bachelor of Scompletion of one course from	J 1						
Cultural Diversity Elective							
ANT-231, 232; ENG-213, 252; R-101, 102, 103, 210;							
Literature and the Arts Ele	ctive						
ART-101, 102, 103, 204, 205, 206; DMC-194; ENG-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 250, 251, 252, 253, 254, 255, 260; MUS-105, 205, 206;			<b>ART</b> -101, <del>102, 103,</del> 204, 205, 206; <b>DMC</b> -194; <b>ENG</b> -104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 250, 251, 252, 253, 254, 255, 260; <b>MUS</b> -105, 205, 206;				
Difference, Power, and Dis	crimination Elective						
<b>HST-</b> 201, 202, 203; <b>SOC-</b> 225;							
Biological Science Elective							
<b>BI</b> -101, 102, 103, 175, 176, 177, 204, 211, 212, 213, 234; <b>ESR</b> -171, 172, 173; <b>Z</b> -201, 202, 203;							
Physical Education Elective	re						
<b>HPE-</b> 295;							
TOTAL CURRENT CREE	DITS: 110	TOTAL P	ROPOSED CREDITS:	_			
College Contact			Telephone No.				
E-Mail Address			Fax No.				
Chief Academic Officer or CTE Dean Signature	Jus 3	an		Date	1/27/2	20	



Salem, OR 97310-0203

# COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

College: Clackamas Communit		Date							
	CAREER I	LEA	RNING	G ARE	Α				
☐ Ag, Food & Natural Resource Syste	ems		☐ He	alth S	ervice	es			
☐ Arts, Information & Communication	ns		Hu	ıman F	Resou	rces			
☐ Business & Management			√ Inc	dustri	al & E	ngineerin	g Systems		
	PROGRAM	<u> </u>	IFORM	IATIO	N			_	
<u>APPROVED</u> Program Title	fo	APPROVED CIP Code Include 7th & 8th digits used for OCCURS reporting.)  6-digit CIP Zh & 8th digit digit				PROVED ition Award	Curre Credi		
AS Area of Emphasis Title: Engineering — Industrial/Manufacturing	_ lanufacturing					Appli	iate of ed Science of Emphasis	92-9	3
Partnering Institution Name Oregon State University									
ast amendment approved on 05.17.19									
TY	<b>PE OF PR</b> (Ch		RAM A		DME	NT			
□ New Agreement	□ Currio	culu	m Revi	sion		□ Rev	ision in Prog	ram Cr	edits
						Propose	ed Total Credit	:s:	
□ SUSPENSION of Program  Reason for Suspension:									
Suspension Effective Date:									

#### **CURRICULUM AMENDMENT** [List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping. For a New Program, complete the Proposed Curriculum section only.] **CURRENT CURRICULUM 19-20** PROPOSED CURRICULUM 20-21 [List entire curriculum as last approved) [List only course(s) to be amended] Hours Credits Course Course Title Title Hours Credits **Program Requirements - First Year Fall Term** COMM-111 **Public Speaking** 44 33 3 **ENGR-111** Introduction to Engineering MTH-251 55 5 Calculus I WR-121 **English Composition** 44 4 **Winter Term** CH-221 77 **General Chemistry** 5 **ENGR-112 Engineering Programming** 33 3 MTH-252 Calculus II 55 5 **Spring Term** CH-222 General Chemistry 77 5 33 **ENGR-115 Engineering Graphics** 3 MTH-254 Vector Calculus 55 5 WR-227 **Technical Report Writing** 44 4 **Summer Term** MTH-256 **Differential Equations** 44 4 4 Social Processes elective Program Requirements - Second Year **Fall Term** ENGR-211 **Statics** 44 4 PH-211 General Physics with 70 5 Calculus Western Culture elective 4 **Winter Term ENGR-212 Dynamics** 44 4 PH-212 General Physics with 70 5 Calculus Literature and the Arts 3-4 Elective **Spring Term ENGR-201 Electrical Fundamentals** 66 4 ENGR-213 Strength of Materials 44 4 70 PH-213 General Physics with 5 Calculus **Social Processes Elective ANT-103**; EC-201, 202; **HST**-101, 102, 103; **PS**-201, 204, 205, 225; **PSY**-110, 200, 205, 219, 231; SOC-204, 205, 206; **Western Culture Elective** ART-204, 205, 206; **ENG-**107, 108, 109, 201, 202, 204, 205, 250, 251, 253, 254, 255; **GEO-208**: **HST**-101, 102, 103, 132, 201, 202, 203; PHL-102; **R**-204; Literature and the Arts Elective ART-101, 102, 103, 204, 205, 206; **ART-**101, <del>102, 103,</del> 204, 205, 206;

**DMC**-194;

**MUS**-105, 205, 206;

**ENG**-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205,

213, 241, 250, 251, 252, 253, 254, 255, 260, 270;

213, 241, 250, 251, 252, 253, 254, 255, 260, 270; **MUS**-105, 205, 206;

**ENG**-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205,

**DMC**-194;

completion of one course from	work at CCC that will meet or of Science degree at Ore Science degree requires the om each category below.	gon State				
Cultural Diversity Elective	)					
<b>ANT</b> -231, 232; <b>ENG</b> -213, 252; <b>R</b> -101, 102, 103, 210;						
Difference, Power, and Dis	scrimination Elective		_			
<b>HST-</b> 201, 202, 203; <b>SOC-</b> 225;						
<b>Biological Science Electiv</b>	e					
<b>BI</b> -101, 102, 103, 175, 176, <b>ESR</b> -171, 172, 173; <b>Z</b> -201, 202, 203;	177, 204, 211, 212, 213, 23	4;				
Physical Education Elective	ve		_			
<b>HPE-</b> 295;						
TOTAL CURRENT CRE	DITS:	92-93	TOTAL P	ROPOSED CREDITS	<b>3</b> :	
College Contact	Eric Lee			Telephone No.	X6163	
E-Mail Address				Fax No.		
Chief Academic Officer <i>or</i> CTE Dean Signature	Dust	3	en		Date	1/27/20



Salem, OR 97310-0203

## **COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM**

College: Clackamas Community		Date					
CA	REER LEA	RNING AF	REA				
☐ Ag, Food & Natural Resource Systems	S	☐ Health	Servic	es			
☐ Arts, Information & Communications		☐ Humar	n Resou	ırces			
☐ Business & Management		√ Indust	rial & E	ngineerin	g Systems		
PR	OGRAM II	NFORMAT:	ION				
<u>APPROVED</u>		<u>APPROVE</u>	<u>D</u>	APF	PROVED	Curre	ent
Program Title		CIP Code		Recogn	ition Award	Credi	its
	(Inc	lude 7 <sup>th</sup> & 8 <sup>th</sup> dig or OCCURS report	its used ting.)				
	<u>6-0</u>	ligit CIP Z <sup>th</sup>					
AS Area of Emphasis Title:		<u>uigi</u>	<u>uigit</u>	٨٥٥٥	ciate of	96-9	<del>,                                    </del>
Engineering – Mechanical Enginee	ring				ed Science	90-9	<b>'</b>
Linguises mig					of Emphasis		
Partnering Institution Name							
Oregon State University							
ast amendment approved on 05.17.19	OF PROG	DAM AME	NDME	NIT			
ITPE		LL That Apply)	MDME	IN I			
☐ New Agreement ☐		m Revisior	1	☐ Rev	rision in Prog	ram C	redits
			_			,	
				Propos	<i>ed</i> Total Credi	ts:	
☐ <b>SUSPENSION</b> of Program	eason for Suspen	sion:					
]							
Suspension Effective Date:							
<u> </u>							

#### **CURRICULUM AMENDMENT** [List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping. For a New Program, complete the Proposed Curriculum section only.] **CURRENT CURRICULUM 19-20** PROPOSED CURRICULUM 20-21 [List only course(s) to be amended] [List entire curriculum as last approved) Hours Credits Course Title Course Title Hours Credits **Program Requirements - First Year Fall Term** COMM-111 **Public Speaking** 33 3 **ENGR-111** Introduction to Engineering MTH-251 55 5 Calculus I WR-121 **English Composition** 44 4 **Winter Term** CH-221 **General Chemistry** 77 5 EC-201 Principles of Economics: 44 4 **MICRO** Or EC-202 or Principles of Economics: **MACRO ENGR-112 Engineering Programming** 33 3 MTH-252 Calculus II 55 5 **Spring Term** CH-222 **General Chemistry** 77 5 **ENGR-115 Engineering Graphics** 33 3 MTH-254 Vector Calculus 55 5 WR-227 44 **Technical Report Writing** 4 **Summer Term** MTH-256 **Differential Equations** 4 Program Requirements - Second Year **Fall Term** ENGR-211 44 Statics 4 **ENGR-221** Electrical Circuit Analysis I 33 4 PH-211 General Physics with 70 5 Calculus Western Culture elective 4 **Winter Term** ENGR-212 Dynamics 44 4 **ENGR-222** Electrical Circuit Analysis II 66 4 PH-212 General Physics with 70 5 Calculus **Spring Term** ENGR-213 Strength of Materials 44 4 PH-213 General Physics with 70 Calculus 3-4 Literature and the Arts Elective **Western Culture Elective** ART-204, 205, 206; **ENG**-107, 108, 109, 201, 202, 204, 205, 250, 251, 253, 254, 255; **GEO**-208: **HST**-101, 102, 103, 132, 201, 202, 203; PHL-102; **R**-204: Literature and the Arts Elective ART-101, 102, 103, 204, 205, 206; **ART-**101, <del>102, 103,</del> 204, 205, 206; **DMC**-194; **DMC-194**: **ENG-**104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, **ENG**-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 241, 250, 251, 252, 253, 254, 255, 260, 270; 213, 241, 250, 251, 252, 253, 254, 255, 260, 270; MUS-105, 205, 206; MUS-105, 205, 206; Optional: While not required for the A.S. degree, students may

complete additional coursework at CCC that will meet

requirements for the Bachelor of Science degree at Oregon State

University. The Bachelor of completion of one course from										
Cultural Diversity Elective										
<b>ANT-</b> 231, 232;										
<b>ENG</b> -213, 252;										
R-101, 102, 103, 210;	animination Floative									
	Difference, Power, and Discrimination Elective									
HST-201, 202, 203; SOC-225:										
	•									
Biological Science Elective										
<b>BI</b> -101, 102, 103, 175, 176,	177, 204, 211, 212, 213, 23	4;								
<b>ESR</b> -171, 172, 173;										
<b>Z</b> -201, 202, 203;										
Physical Education Elective	ve									
<b>HPE</b> -295;		_				_				
TOTAL CURRENT CREI	DITS:	96-97	TOTAL P	ROPOSED CREDITS:						
College Contact	Eric Lee			Telephone No.	X6163					
E-Mail Address				Fax No.						
Chief Academic Officer or CTE Dean	<u> </u>		_		Date	1/27/20				
Signature	Just	1	4							

Office of Educational Improvement & Innovation

Phone: (503) 378-3600 FAX: (503) 378-5156



Salem, OR 97310-0203

## COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

College:   Clackamas Community College   Date										
	CAREER		DAITAIC		<b>-</b> •					
	CAREER	LEA								
<ul><li>☐ Ag, Food &amp; Natural Resource Syste</li><li>☐ Arts, Information &amp; Communication</li></ul>					Besou					
☐ Business & Management	)115				an Resources strial & Engineering Systems					
Dusiness & Flanagement			A THE	Justii	ai & E	ingineering Systems				
	PROGRA	M IN	IFORM	ATI	ON					
<u>APPROVED</u>		<u>APPROVED</u>				<u>APPROVED</u>	Current			
Program Title		(T., .)	CIP C ude 7 <sup>th</sup> & 8			Recognition Award	Credits			
		fo	r OCCURS	reportin	ıg.)					
		<u>6-d</u>	igit CIP	<u>Z<sup>th</sup></u> digit	<u>8<sup>th</sup></u> digit					
AS Area of Emphasis Title:										
Engineering - Mechanical						<b>Applied Science</b>	101			
3 22 3						Area of Emphasis				
Partnering Institution Name										
Portland State University										
<mark>Last amendment approved on 01.18.19</mark> Cat	alog note ac	ded v	without	appro	val du	ring catalog edits				
ТҮ	PE OF PE		RAM A		IDME	NT				
□ Nov. Agreement			m Revi			□ Pavisian in Pro	C dit			
□ New Agreement	□ Curri	cuiu	m Kevi	Sion		☐ Revision in Pro	gram Credit			
						<b>Proposed</b> Total Cred	its:			
☐ <b>SUSPENSION</b> of Program	Reason for S	uspens	sion:							
Suspension Effective Date:										
	_					_				

#### CURRICULUM AMENDMENT [List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping. For a New Program, complete the Proposed Curriculum section only.] **CURRENT CURRICULUM 19-20** PROPOSED CURRICULUM 20-21 [List entire curriculum as last approved) [List only course(s) to be amended] Course Title Hours Credits Course Title Credits Hours **Program Requirements - First Year Fall Term** CH-221 **General Chemistry** Introduction to Engineering 33 3 **ENGR-111** MTH-251 Calculus I 55 5 WR-121 **English Composition** 44 4 **Winter Term** CH-222 77 General Chemistry 5 **ENGR-112 Engineering Programming** 33 3 ENGR-231 **Properties of Materials** 66 4 55 MTH-252 Calculus II 5 **Spring Term** 44 COMM-111 **Public Speaking** 4 ENGR-115 **Engineering Graphics** 33 3 MTH-254 55 5 Vector Calculus WR-122 44 **English Composition** 4 Or WR-227 **Technical Report Writing** Program Requirements - Second Year Fall Term ENGR-211 Statics 44 4 MTH-261 Linear Algebra 44 4 PH-211 General Physics with 70 5 Calculus Arts & Letters elective 4 Winter Term **ENGR-212 Dynamics** 44 4 MTH-256 44 4 **Differential Equations** General Physics with PH-212 70 5 Calculus Social Science elective 4 **Spring Term** 66 **ENGR-201 Electrical Fundamentals** 4 ENGR-213 Strength of Materials 44 4 PH-213 General Physics with 70 5 Calculus Arts & Letters or Social 4 Science elective **Arts & Letters or Social Science Electives Arts & Letters** All courses in ASL, COMM, ENG, FR, GER, HUM, PHL, SPN, All courses in ASL, COMM, ENG, FR, GER, HUM, PHL, SPN, **WR**. Note that native speakers should only take advanced (300 **WR**. Note that native speakers should only take advanced (300 level or above) world language courses. Non-performance based level or above) world language courses. Non-performance based courses in art, journalism, music, and theater also meet this courses in art, journalism, music, and theater also meet this requirement. requirement. The accepted courses at CCC are: The accepted courses at CCC are: **ART-**101, <del>102, 103</del>, 205, 206; **ART-**101, 102, 103, 205, 206; **J**-211: **J-**211: MUS-105, 141, 205, 206, 230; MUS-105, 141, 205, 206, 230; **TA**-101, 102; TA-101, 102; **Social Science** All courses in ANT, EC, GEO, HST, PS, PSY, SOC, SSC, and WS.

**Catalog Notes:** 

Optional: While not required for the AS degree, mechanical

engineering students may co CCC that will meet requirement degree at Portland State Uni (1) One additional Arts & Let Approved Science Elective: A Biology, Chemistry, Environn	ents for the Bachelor of Scie versity. Additional courses in ters or Social Science electi Any minimum 4 credit course	ence nclude ive and (2) e from					
TOTAL CURRENT CREDITS: 101			TOTAL PROPOSED CREDITS:				
College Contact							
E-Mail Address				Fax No.			
Chief Academic Officer <i>or</i> CTE Dean Signature	Dur	3	a		Date	1/27/2	20



Salem, OR 97310-0203

## COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

College:	<b>Clackamas Communit</b>	amas Community College					Date			
		CAREER L	.EA	RNING	ARE	Α				
☐ Ag, Foo	d & Natural Resource Syste	ems		☐ Hea	ith S	ervice	es			
☐ Arts, In	formation & Communication	ns		☐ Hur	nan R	Resou	rces			
□ Busines	ss & Management		☐ Industrial & Engineering Systems							
	PROGRAM INFORMATION									
APPROVE				PROVE	<u>D</u>		<u>APPRO</u>		Curr	
Program '	Title		CI	P Code clude 7 <sup>th</sup> & 8	th diaita	ucod	Recogn	ition	Cred	its
			for (	OCCURS rep	orting.)		Award			
			<u>6-0</u>	<u>digit CIP</u>	<u>Z<sup>th</sup></u> digit	<u>8<sup>th</sup></u> digit				
AS Area o	of Emphasis Title:									
Biology								te of Applied	92	
							Science		-	
							Emphas	is		
Partnerin	g Institution Name									
Oregon 9	State University									
	TV	PE OF PR	0G	DAM AI	MEN	DME	NT			
	• • • • • • • • • • • • • • • • • • • •	_		LL That App		DME	N			
□ New A	greement	☐ Curric	ulu	m Revis	ion		☐ Rev	vision in Prog	ram (	Credits
							Propos	<i>ed</i> Total Credi	ts:	
		-								
	ENSION of Program	Reason for Su.	spens	sion:						
S	Suspension Effective Date:									

		CUR	RICULUM	AMENDM	ENT		
CURRENT	CURRICULUM 19-20			PROPOSE	D CURRICULUM 20-21		
	ulum as last approved			List only course	e(s) to be amended]		
Course	Title	Hours	Credits	Course	Title	Hours	Credits
		Prog	ram Require	ments – First Y	ear		
Fall Term	+			_			-
BI-211	General Biology for Science Majors (Cellular Biology)	77	5				
CH-221	General Chemistry	77	5				
PE-185	Physical Education	33	1				
WR-121	English Composition	44	4				
Winter Term			-				_
BI-212	General Biology for Science Majors (Animal Biology)	77	5				
CH-222	General Chemistry	77	5				
MTH-251	Calculus I	55	5				
Spring Term							
BI-213	General Biology for Science Majors (Plant Biology & Ecology)	77	5				
COMM-111	Public Speaking	44	4				
or COMM-112 or	or Persuasive Speaking or						
COMM-218	Interpersonal Communication						
CH-223	General Chemistry	77	5				
		Progra	m Requirem	ents – Second	Year	-	=
Fall Term		_	_			_	_
CH-241*	Organic Chemistry I	77	5				
PH-201	General Physics	70	5				
Or PH-211	or General Physics with Calculus						
WR-122 Or	English Composition or	44	4				
WR-227	Technical Report Writing						
	Core electives		3				
Winter Term		-	Ŧ	-		1	<del></del>
CH-242*	Organic Chemistry II	77	5				
MTH-252 PH-202	Calculus II General Physics	55 70	5 5				
or PH-212	or General Physics with	70	5				
Consist T	Calculus						
Spring Term	Organia Chamista III	77	T E			T	T
CH-243*	Organic Chemistry III Health & Fitness for Life	77 60	5			1	
HPE-295 PH-203	General Physics	60 70	3 5	<del>l                                      </del>		1	
PH-203 or	or	10	3			1	
PH-213	General Physics with Calculus						
	Core electives		3				
transfer at 300 organic exam.	nistry – satisfies degree require level credits unless students p OSU highly recommends takin s as a combination of CH-331	asses the g the ACS	ACS organic				
<b>ANT</b> -101, 102,	103, 231, 232:			<b>ANT</b> -101, 10	2, 103, 231, 232;		
	103, 204, 205, 206;				<del>2, 103</del> , 204, 205, 206;		

**ASC**-175, 176, 177; **ASC**-175, 176, 177; **BI**-101, 102, 103, 175, 176, 177, 204, 211, 212, 213, 234; BI-101, 102, 103, 175, 176, 177, 204, 211, 212, 213, 234; CH-104, 105, 114, 221, 222, 223; **CH**-104, 105, 114, 221, 222, 223; **DMC**-194; **DMC**-194; EC-201, 202; EC-201, 202; **ENG**-104, 105, 106, 107, 108, 109, 201, 202, 204, 205, 213, 240, **ENG**-104, 105, 106, 107, 108, 109, 201, 202, 204, 205, 213, 240, 241, 250, 251, 252, 253, 254, 255; 241, 250, 251, 252, 253, 254, 255; ESR-171, 172, 173; ESR-171, 172, 173; **G**-101, 102, 103, 201, 202, 203; **G**-101, 102, 103, 201, 202, 203; GEO-100, 110, 130, 208; GEO-100, 110, 130, 208; **GS**-104, 105, 106, 107; **GS**-104, 105, 106, 107; **HST-**101, 102, 103, 201, 202, 203; **HST**-101, 102, 103, 201, 202, 203; **MUS-206**; **MUS**-206; **PH**- 121, 122, 123, 201, 202, 203, 211, 212, 213; **PH**- 121, 122, 123, 201, 202, 203, 211, 212, 213; PHL-102; **PHL**-102; **PS**-200, 201, 203, 204, 205, 225; **PS-**200, 201, 203, 204, 205, 225; **PSY**-110, 200, 205, 219, 231; **PSY**-110, 200, 205, 219, 231; **R**-101, 102, 103, 210, 204; **R**-101, 102, 103, 210, 204; **SOC**-204, 205, 206, 225; **SOC**-204, 205, 206, 225; **Z**-201, 202, 203 **Z**-201, 202, 203 **TOTAL CURRENT CREDITS:** 92 **TOTAL PROPOSED CREDITS: College Contact Telephone No. E-Mail Address** Fax No.

**Dean Signature** Date 1/23/20 my Fun



Salem, OR 97310-0203

## COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

College: Clackamas Communit	Clackamas Community College						Date 01/29/20				
	CAREER	LEA	RNING	ARI	EA						
☐ Ag, Food & Natural Resource Syste			☐ He	alth S	ervice	es					
	ns		Hu	man l	Resou	rces					
☐ Business & Management			☐ Inc	dustri	al & E	ngineerin	g Systems				
	PROGRA	M IN	IFORM	ATI	ON			=			
<u>APPROVED</u> Program Title		fo	CIP C	CIP Code de 7 <sup>th</sup> & 8 <sup>th</sup> digits used OCCURS reporting.)			<i>PROVED</i> lition Award		rent dits		
AS Area of Emphasis Title: English						Appli	ciate of ed Science of Emphasis	94-	97		
Partnering Institution Name Oregon State University											
TY	PE OF PR		RAM A		DME	NT					
□ New Agreement	⊠ Curri	culu	m Revi	sion		□ Rev	v <mark>ision in Prog</mark>	ram (	Credits		
						Propos	ed Total Credit	s:	94-98		
□ SUSPENSION of Program	Reason for S	iuspens	sion:								
Suspension Effective Date:											

#### **CURRICULUM AMENDMENT** [List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping. For a New Program, complete the Proposed Curriculum section only.] **CURRENT CURRICULUM 19-20 PROPOSED CURRICULUM 20-21** [List entire curriculum as last approved) [List only course(s) to be amended] Course Title Hours Credits Course Title Hours Credits Program Requirements - First Year Fall Term ASL-101 American Sign Language I 44 FR-101 First-Year French I or First-Year Spanish I SPN-101 HPE-295 Health & Fitness for Life 60 3 WR-121 **English Composition** 44 4 Biological Science elective 4 Winter Term 44 ASL-102 American Sign Language 4 $\circ$ r FR-102 First-Year French II SPN-102 First-Year Spanish II MTH-105 44 44-55 Math in Society 4 MTH-105 Math in Society 4-5 MTH-111 College Algebra MTH-112 Trigonometry and Pre-Calculus MTH-251 or Calculus I MTH-252 or Calculus II WR-122 44 **English Composition** 4 4 200-level English elective Spring Term **ART-204** History of Art/Ancient 33-44 3-4 **ART-206** History of Art/Enlightenment 33-44 3-4 Through Medieval Through Contemporary ART-205 MUS-105 History of Art/Romanesque Music Appreciation ART-206 Through Baroque MUS-105 History of Art/Enlightenment Through Contemporary Music Appreciation ASL-103 44 American Sign Language 4 or FR-103 First-Year French III First-Year Spanish III SPN-103 200-level English elective 4 Physical Science elective 4-5 Program Requirements - Second Year Fall Term 44 ASL-201 Second-Year American Sign Language I or FR-201 Second-Year French I or SPN-201 Second-Year Spanish I 200-Level English 4 sequence or

4-5

200-Level English elective

**Biological Science** 

or			1				
or 	Physical Science						
	Speech elective		4				
Winter Term	5,000011 01000110						
ASL-202	Second-Year American	44	4				
or	Sign Language II		·				
FR-202	or						
or	Second-Year French II						
SPN-202	or Second-Year Spanish II						
	200-Level English		4				
	sequence		7				
	Cultural Diversity elective		4				
	Social		4				
	Processes/Institutions						
	elective						
Spring Term	0	4.4	1 4				
ASL-203 or	Second-Year American Sign Language III	44	4				
or FR-203	or						
or	Second-Year French III						
SPN-203	or						
	Second-Year Spanish III						
HST-201	History of the United	44	4	HST-203	History of the United States	44	4
or HST-202	States or			or SOC-225	or Social Problems		
or	History of the United			000 220	COOLET TODIOTIO		
HST-203	States						
or	or						
SOC-225	History of the United States						
	or						
	Social Problems						
	200-Level sequence		4				
or	000   5						
	200-Level English elective		4				
Note: Present	Western Culture electives	D 0112 012 -	•	Note: Divis	vioitos for occandos consulatos	aug s a s e	ithortus
	uisites for second year world la school world languages, OR, o				uisites for second year world lar school world languages, OR, o		
	rses ASL, FR, GER-OR SPN-1				irses ASL, FR, GER OR SPN-10		
	ence Electives						
	204, 211, 212, 213, 234						
	glish Electives						
	2, 204, 205, 253, 254						
Physical Scie	nce Electives						
	03, 201, 202, 203;						
<b>GS</b> -107;	400 004 000 000 044 040	040					
PH-121, 122, CH-221, 222,	123, 201, 202, 203, 211, 212, 223·	213;					
English Sequ							
ENG-204 and	•						
or	1 E14G-200						
<b>ENG</b> -253 and	ENG-254						
Speech Elect	ives						
<b>COMM-</b> 111,							
<b>WR</b> -241, 242							
Cultural Diver	•						
<b>R</b> -101, 102, 1							
	sses/Institutions Elective						
<b>ANT</b> -103;							
<b>EC</b> -201, 202; <b>HST</b> -101, 102							
<b>PS</b> -201, 204,							
<b>PSY-</b> 200, 205	5;						
<b>SOC-</b> 204, 20							
Western Cultu	ure Electives						

ART-204, 205, 206; GEO-208; HST-101, 102, 103, 201, 1 PHL-102; PS-203;	202, 203;							
TOTAL CURRENT CR	EDITS:	94	-97	TOTAL P	ROPOSED CREDITS	<b>S</b> :		94-98
College Contact	Carol Burnell				Telephone No.	503-59	94-3256	
E-Mail Address	carolb@clackamas.edu				Fax No.		=	
Chief Academic Officer or CTE Dean Signature			Tara S	prehe via er	nail	Date	1/31/2	20

Phone: (503) 378-3600 FAX: (503) 378-5156



Salem, OR 97310-0203

## **COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM**

College: Clackamas Communit	ege: Clackamas Community College								
	CAREER I	LEA	RNING	ARI	EA				
☐ Ag, Food & Natural Resource Syste	ems		☐ He	alth S	Service	es			
☑ Arts, Information & Communication	ns		□ Hu	man l	Resou	rces			
☐ Business & Management			☐ Inc	lustri	al & E	ngineerin	g Systems		
	PROGRAM	<u> </u>	<b>IFORM</b>	ATIO	NC				
<u>APPROVED</u> Program Title	_	· fo	APPROVED CIP Code Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)  6-digit CIP Zh & 8 <sup>th</sup> digit digit				<u>PROVED</u> lition Award		rent dits
AS Area of Emphasis Title: English						Appli	ciate of ed Science of Emphasis	95	
Partnering Institution Name Portland State University									
ТҮ	<b>PE OF PR</b> (Ch		RAM A		DME	NT			
□ New Agreement	⊠ Currio	culu	m Revi	sion		⊠ Rev	vision in Prog	ram (	Credits
						Propos	ed Total Credit	s:	93-94
□ SUSPENSION of Program	Reason for Su	uspens	ion:						
Suspension Effective Date:									

		CUR	RICULU	M AMEND	MENT					
	CURRENT CURRICULUI [List entire curriculum as last ap			PROPOSED CURRICULUM 20-21 [List only course(s) to be amended]						
Course	Title	Hours	Credits	Course	Title	Hours	Credits			
		Prog	gram Require	ements – First	Year	-	-			
Fall Term		1	T .	_		<u> </u>	<u> </u>			
ASL-101 or	American Sign Language I or	44	4							
FR-101	First-Year French I									
or SPN-101	or First-Year Spanish I									
ENG-201	Shakespeare	44	4							
or	or									
ENG-204	British Literature: Ancient to Enlightenment									
MTH-105	Math in Society	44	4	MTH-105	Math in Society	44-55	4-5			
				Or MTH-111	or College Algebra					
				Or	or					
				MTH-112 Or	Trigonometry and Pre- Calculus					
				MTH-251	or					
				Or MTU 252	Calculus I					
				MTH-252	or Calculus II					
WR-121	English Composition	44	4							
Winter Term			-			-	-			
ASL-102 or	American Sign Language or	44	4							
FR-102	First-Year French II									
or SPN-102	or First-Year Spanish II									
ENG-202	Shakespeare	44	4							
or	or									
ENG-205 or	British Literature: Romantic to Contemporary									
ENG-253	or									
	American Literature: Pre- Columbian to Civil War									
WR-122	English Composition	44	4							
	Social Science Elective		4							
Spring Term			1.							
ASL-103 or	American Sign Language or	44	4							
FR-103	First-Year French III									
or SPN-103	or First-Year Spanish III									
ENG-270	Introduction to Literary	44	4	1						
MD ccc	Criticism	4.4								
WR-222 or	English Composition or	44	4							
WR-140	Introduction to Writing									
	Creatively Science Elective		4							
	Science Elective	Progr	-	nents – Secon	d Year					
Fall Term		1 1091	rtoquiroi		Jul					
ASL-201	Second-Year American	44	4							
or FR-201	Sign Language I or									
or	Second-Year French I									
SPN-201	or Second-Year Spanish I									
WR-248	Bookmaking: Design and	44	4		1					
	Layout									

WR-		Creative Writing		4					
	Course	Fl#:		4					
 Winter Term	Social Sci	ence Elective		4					
ASL-202	Second-V	ear American	44	4	_	1		T T	Г
or	Sign Lang		7-7	7					
FR-202	or								
or		ear French II							
SPN-202	or Second-Y	ear Spanish II							
WR-246	Editing & I		44	4					
WR-265	Digital Sto		44	4					
WR-244	- v	Fiction Writing	44	4					
or	or								
WR-245 or	Advanced or	Poetry Writing							
WR-263		Screenwriting							
Spring Term		g			_				
ASL-203		ear American	44	4					
or	Sign Lang	uage III							
FR-203	or Second V	ear French III							
or SPN-203	or	cai Fielloli III							
		ear Spanish III							
HD-186	A Digital Y e-Portfolio	ou - Building an	33	3		REMC	VE		
		ogram elective		8		T		1	1
	Eligiisii Fi	ogram elective		O	ENG-297	A.S. Degree Portfoli	0	11	1
Note: Preregu	isites for se	cond year world la	udnades.	Fither two		equisites for second year			
years of high	school world	d languages, OR, o	one year c	of college	years of high	gh school world languag	es, OR, o	ne year of	college
		R, GER, or SPN-1	01, 102, 1	03	100-level c	ourses ASL, FR, <del>GER</del> , o	or SPN-10	01, 102, 10	3
Social Science	e Elective								
ANT-102; EC-201, 202; HST-101, 102 PS-200, 203, PSY-101, 205 SOC-204; WS-101;	2, 103, 201, 204, 205;	202, 203;							
Science Elect	tives				_				
BI-101, 102, 104, 105, 105, 105, 105, 105, 105, 105, 105	. 106, 150, 2 2, 173; 203;		213;_						
English Progr									
4 credits from the following list if not used already in AS to satisfy the degree requirements:  ENG-104, 105, 106, 107, 108, 109, 116, 121, 130, 194, 195, 213, 214, 218, 225, 226, 230, 250, 251, 252, 255, 260, 261, 266, 295;  WR-270;				the degree ENG-104,	om the following list if no requirements: 105, 106, 107, 108, 109 225, 226, 230, 250, 251,	, 116, 121	, 130, 194	, 195, 213,	
200-Level Cre	eative Writin	g Electives							
	the followin	g list if not used al	ready in A	AS to satisfy	the degree	om the following list if no requirements: 40, 241, 243, 262;	ot used alr	eady in AS	S to satisfy
TOTAL CUI				95		ROPOSED CREDITS	):		93-94
College Co	ntact	Carol Burnell				Telephone No.	503-59	94-3256	
E-Mail Add		carolb@clackar	nas.edu			Fax No.			
	emic Offic	cer <i>or</i> CTE Dear	1	Tara	Sprehe via e	mail	Date	1/31/2	20
Signature									



Salem, OR 97310-0203

## COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

College:   Clackamas Communi	College:   Clackamas Community College   Date   01/29/20									
	CAREER	ΙFΔ	RNTNO	ΔRI	FΔ					
☐ Ag, Food & Natural Resource Syst					Service	<u> </u>				
					Resou					
☐ Business & Management						ngineering Systems				
•						<u> </u>				
	PROGRAI	M IN	IFORM	ATIO	ON					
<u>APPROVED</u>			APPRO		?	<u>APPROVED</u>	Curre	_		
Program Title		(Tmal	CIP C ude 7 <sup>th</sup> & 8			Recognition Award	Credi	ts		
		fo	r OCCURS		ng.)					
		<u>6-d</u>	igit CIP	<u>Z<sup>m</sup></u> <u>digit</u>	<u>8<sup>th</sup></u> <u>digit</u>					
AS Area of Emphasis Title:						Associate of				
English						Applied Science	91-9	8		
						Area of Emphasis				
Dartnering Institution Name								_		
Partnering Institution Name University of Oregon										
oniversity of oregon										
rack requirement changed to General Elective during (	Catalog edit wit	hout a	n amendme	ent or a	pproval					
ast amendment approved on 04.05.19										
n	PE OF PF (CI		RAM A LL That Ap		IDME	NT				
☐ New Agreement	<b>区urri</b>	culu	m Revi	sion		☐ Revision in Program Credits				
							_			
						Proposed Total Credit	s:			
			ioni							
CUCDENCION of Duggues	Reason for S	uspend	ion:							
☐ SUSPENSION of Program	Reason for S	uspens	ion:							
☐ <i>SUSPENSION</i> of Program	Reason for S	uspens	ion:							
□ SUSPENSION of Program	Reason for S	uspens	ion:							
□ SUSPENSION of Program	Reason for S	uspens	ion:							
□ SUSPENSION of Program  Suspension Effective Date:	Reason for S	uspens	ion:			1				

#### **CURRICULUM AMENDMENT** [List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping. For a New Program, complete the Proposed Curriculum section only.] **CURRENT CURRICULUM 19-20 PROPOSED CURRICULUM 20-21** [List entire curriculum as last approved) [List only course(s) to be amended] Clock Course Course Clock Number Course Title Hours Credits Number **Course Title** Hours Credits Program Requirements - First Year Fall Term ASL-101 American Sign Language I 44 or FR-101 First-Year French I SPN-101 First-Year Spanish I MTH-105 44 Math in Society 4-5 MTH-105 Math in Society 44-55 4-5 Or higher Or higher (except MTH-Or 205 and MTH-280) MTH-111 College Algebra Or MTH-112 Trigonometry and Pre-Calculus Or MTH-251 or Calculus I Or MTH-252 Calculus II WR-121 **English Composition** 44 WR-140 Introduction to Writing 4 Or --Creatively Or Arts & Letters course Winter Term 44 **ASL-102** American Sign Language FR-102 First-Year French II or SPN-102 First-Year Spanish II ESR-172 **Environmental Science** 4-5 Or -- $\Omega$ r Science course PSY-110 Psychology: An Overview 3-5 Or --Social Science course WR-122 44 4 **English Composition** Spring Term ASL-103 American Sign Language 44 4 or FR-103 First-Year French III or SPN-103 First-Year Spanish III ESR-173 4-5 **Environmental Science** Or --Or Science course ENG-270 Introduction to Literary 4 Or --Criticism Arts & Letters course WR-222 **English Composition** 44 Program Requirements - Second Year Fall Term ASL-201 Second-Year American 44 4 Sign Language I or FR-201 Second-Year French I SPN-201 Second-Year Spanish I ENG-204 44 British Literature: Ancient to Enlightenment

Wilder Term	ENG-	Program Elective	44	4			i	
Ministriem				1				
ASI-202 Second-Year American FFR-202 or French II SPN-202 or Second-Year Spanish II SPN-202 or Second-Year Spanish II SPN-202 or Second-Year Spanish II SPN-203 Fisish Literature: Pre-Columbian to Civil War Pre-Columbian to Civil War Spanish II SPN-203 or General Elective At 4 decomposition of Civil War Spanish II Spn-203 Asia Second-Year American Spn-203 Second-Year Spanish III Spn-203 Second-Year	Winter Term	Ochiciai Electives		7				
Sign Language II of Second-Year French II of Second-Year Spanish II Send-250 or American Literature: Pre-Columbian to Contemporary of American Literature: Pre-Columbian to Coll War Spring French III of Second-Year American Literature: Pre-Columbian to Coll War Spring French III of Second-Year American Literature: Pre-Columbian to Coll War Spring French III of Second-Year American Sign Language III of Second-Year American Sign Language III of Second-Year Spanish III Second-Year Span		Coond Voor American	4.4	1			i	1
FR-202 or or Second-Year French II or SPN-202 or Second-Year Spanish II ENG-205 or	_		44	4				
SPN-202 or Second-Year Spanish II								
Second-Year Spanish II		Second-Year French II						
ENG-255	SPN-202							
Commanic to Contemporary   Contemp	ENO 005		4.4	4				
ENG-253 or Columbian to Civil War Program Elective			44	4				
American Literature: Pre- Columbian to Civil War  ENG- Program Elective		•						
ENG- Program Elective								
Spring Term  ASI-203 Second-Year American or or Sign Language III or or Second-Year French III ENG-254 American Literature: 1865 It Present ENG-297 A. S. Degree Portfolio III III III III III III III III III I		Columbian to Civil War						
Spring Term	ENG-	Program Elective	44	4				
ASI-203 Second-Year American HI or Sign Language III or SPN-203 Second-Year French III or SPN-203 Second-Year Spanish III or Seco		General Elective	44	4				
Sign Language III or Second-Year French III or Second-Year Spanish III	Spring Term							
FR-203 or Second-Year French III or Second-Year Spanish III  ENG-254 American Literature: 1865   44   4   4   5   5   5   5   5   5	ASL-203		44	4				
Second-Year Spanish III  ENG-254		5 5						
SPN-203 or Second-Year Spanish III								
ENG-294   American Literature: 1865   44   4   6								
Internation		Second-Year Spanish III						
History of Western Civilization Or Social Science Elective	ENG-254		44	4				
Or - Civilization Or Social Science Elective  ANT-102, 103, 231, 232; EG-201, 202; GEO-110, 208; FST-101, 102, 103, 131, 132, 136, 137, 138, 201, 202, 203; PS-200, 201, 203, 204, 205, 225; PSY-101, 110, 205, 215, 219, 231; SSC-160, 233, 235, 240, 241, 242; SOC-204, 205, 206, 210, 225; WS-101;  Other Science Elective  ANT-102; BI-101, 102, 103, 112, 160L, 165CL, 204, 211, 212, 213, 231, 232, 233, 234; CH-104, 105, 106, 112, 150, 221, 222, 223, 241, 242, 243; ESR-171, 172, 173; G-101, 102, 103, 145, 148, 201, 202, 203; PSY-200; ENS-101;  ENS-101;  Other Science Elective  ANT-101; BI-101, 102, 103, 145, 148, 201, 202, 203; PH-121, 122, 123, 201, 202, 203, 211, 212, 213; PSY-200; ENS-101, 102, 103, 145, 148, 201, 202, 203; PH-121, 122, 123, 201, 202, 203, 241, 242, 243; ESR-171, 172, 173; G-101, 102, 103, 145, 148, 201, 202, 203; PSY-200; ENG-104*, 105*, 106*, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 213, 218, 225, 226, 230, 240, 241, 250, 251, 252, 255, 250, 260, 261, 266, 295; 'Only one selection from ENG-104, -105, and -106 will count for credit at Uo.  General Elective  Arts & Letters Options  Minimum 4 credits per term  WR-220, 240, 241, 242, 243, 244, 245, 246, 262, 263, 265; Or other Arts & Letters courses as listed in the CCC Catalog  Minimum 4 credits per term  WR-220, 240, 241, 242, 243, 244, 245, 246, 262, 263, 265; Or other Arts & Letters courses as listed in the CCC Catalog	ENG-297	A.S. Degree Portfolio	11	1				
Social Science Elective  ANT-102, 103, 231, 232; EC-201, 202; GEO-110, 208; HST-101, 102, 103, 131, 132, 136, 137, 138, 201, 202, 203; PS-200, 201, 203, 204, 205, 225; PSY-101, 110, 205, 215, 219, 231; SSC-160, 233, 235, 240, 241, 242; SOC-204, 205, 206, 210, 225; WS-101;  Other Science Electives  ANT-101; BI-101, 102, 103, 112, 160L, 165CL, 204, 211, 212, 213, 231, 232, 233, 234; CH-104, 105, 106, 112, 150, 221, 222, 223, 241, 242, 243; ESR-714, 172, 173; G-101, 102, 103, 145, 148, 201, 202, 203; PH-121, 122, 123, 201, 202, 203, 211, 212, 213; PSY-200, 201, 203, 204, 205, 206, 210, 225; WS-101;  Other Science Electives  ANT-101; BI-101, 102, 103, 112, 160L, 165CL, 204, 211, 212, 213, 231, 232, 233, 234; CH-104, 105, 106, 112, 150, 221, 222, 223, 241, 242, 243; ESR-714, 172, 173; G-101, 102, 103, 145, 148, 201, 202, 203; PH-121, 122, 123, 201, 202, 203, 211, 212, 213; PSY-200, 261, 266, 295; 'Only one selection from ENG-104, -105, and -106 will count for credit at UO.  General Elective  Any other minimum 4-credit transferable course except prefix PE or the Hat is not already part of the degree requirements  Arts & Letters Options  Minimum 4 credits per term  WR-220, 240, 241, 242, 243, 244, 245, 246, 262, 263, 265; Or other Arts & Letters courses as listed in the CCC Catalog  Or other Arts & Letters courses as listed in the CCC Catalog  Or other Arts & Letters courses as listed in the CCC Catalog  Or other Arts & Letters courses as listed in the CCC Catalog  Or other Arts & Letters courses as listed in the CCC Catalog  Or other Arts & Letters courses as listed in the CCC Catalog  Or other Arts & Letters courses as listed in the CCC Catalog				3-5				
Social Science Elective  ANT-102, 103, 231, 232; EC-201, 202; GEO-110, 208; HST-101, 102, 103, 131, 132, 136, 137, 138, 201, 202, 203; PS-200, 201, 203, 204, 205, 225; PSY-101, 110, 205, 215, 219, 231; SSC-160, 233, 235, 240, 241, 242; SOC-204, 205, 206, 210, 225; WS-101; Other Science Electives  ANT-102, 103, 112, 160L, 165CL, 204, 211, 212, 213, 231, 232, 233, 234; CH-104, 105, 106, 112, 150, 221, 222, 223, 241, 242, 243; ESR-171, 172, 173; G-101, 102, 103, 145, 148, 201, 202, 203; PSY-200, 202, 203; English Program Electives  ENG-104*, 105*, 106*, 107, 108, 108, 116, 121, 130, 194, 195, 2201, 202, 203; English Program Electives  ENG-104*, 105*, 106*, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 203; English program Electives  ENG-104*, 105*, 106*, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 203; English program Electives  ENG-104*, 105*, 106*, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 203; English program Electives  ENG-104*, 105*, 106*, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 203; English program Electives  ENG-104*, 105*, 106*, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 203; English program Electives  ENG-104*, 105*, 106*, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 203; English program Electives  ENG-104*, 105*, 106*, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 203; English program Electives  ENG-104*, 105*, 106*, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 203; English program Elective  Any other minimum 4-credit transferable course except prefix PE or HPE that is not already part of the degree requirements  Arts & Letters Options  Minimum 4 credits per term  WR-220, 240, 241, 242, 243, 244, 245, 246, 262, 263, 265; Or other Arts & Letters courses as listed in the CCC Catalog  Or other Arts & Letters courses as listed in the CCC Catalog  Or other Arts & Letters courses as listed in the CCC Catalog	Or							
ANT-102, 103, 231, 232;   EC-201, 202;   GEO-110, 208;   HST-101, 102, 103, 131, 132, 136, 137, 138, 201, 202, 203;   HST-101, 102, 103, 131, 132, 136, 137, 138, 201, 202, 203;   HST-101, 102, 103, 131, 132, 136, 137, 138, 201, 202, 203;   HST-101, 102, 103, 131, 132, 136, 137, 138, 201, 202, 203;   PS-200, 201, 203, 204, 205, 225;   PSY-101, 110, 205, 215, 219, 231;   SSC-160, 233, 235, 240, 241, 242;   SC-204, 205, 206, 210, 225;   SSC-160, 233, 235, 240, 241, 242;   SC-204, 205, 206, 210, 225;   SSC-160, 233, 235, 240, 241, 242;   SC-204, 205, 206, 210, 225;   WS-101;   ST-101, 102, 103, 112, 160L, 165CL, 204, 211, 212, 213, 231, 232, 233, 234;   CH-104, 105, 106, 112, 150, 221, 222, 223, 241, 242, 243;   ESR-171, 172, 173;   G-101, 102, 103, 145, 148, 201, 202, 203;   PH-121, 122, 123, 201, 202, 203, 211, 212, 213;   PSY-200;   English Program Electives   ENG-104*, 105*, 106*, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 213, 218, 225, 226, 230, 240, 241, 245, 255, 260, 261, 266, 295;   Conjunction of the program o		_						
ANT-102, 103, 231, 232; EG-201, 202; GEO-110, 208; HST-101, 102, 103, 131, 132, 136, 137, 138, 201, 202, 203; PS-200, 201, 203, 204, 205, 225; PSY-101, 110, 205, 215, 219, 231; SSC-160, 233, 235, 240, 241, 242; SCC-201, 202; GEO-110, 102, 103, 131, 132, 136, 137, 138, 201, 202, 203; PS-200, 201, 203, 204, 205, 206, 210, 225; WS-101;  Other Science Electives  ANT-101; BI-101, 102, 103, 112, 160L, 165CL, 204, 211, 212, 213, 231, 232, 233, 234; CH-104, 105, 106, 112, 150, 221, 222, 223, 241, 242, 243; ESR-171, 172, 173; G-101, 102, 103, 145, 148, 201, 202, 203; PH-121, 122, 123, 201, 202, 203, 211, 212, 213; PSY-200; Z-201, 202, 203;  English Program Electives  ENG-104*, 105*, 106*, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 213, 218, 225, 226, 230, 240, 241, 250, 251, 252, 255, 260, 261, 266, 295;  "Only one selection from ENG-104, -105, and -106 will count for credit at UO.  General Elective  Any other minimum 4-credit transferable course except prefix PE or HPE that is not already part of the degree requirements  Arts & Letters Options  Minimum 4 credits per term  WR-220, 240, 241, 242, 243, 244, 245, 246, 262, 263, 265; Or other Arts & Letters courses as listed in the CCC Catalog  Or other Arts & Letters courses as listed in the CCC Catalog  Or other Arts & Letters courses as listed in the CCC Catalog  Or other Arts & Letters courses as listed in the CCC Catalog  Or other Arts & Letters courses as listed in the CCC Catalog  Or other Arts & Letters courses as listed in the CCC Catalog  Or other Arts & Letters courses as listed in the CCC Catalog	Social Scien			<u>.                                    </u>				
EC-201, 202; GEO-110, 208; HST-101, 102, 103, 131, 132, 136, 137, 138, 201, 202, 203; PS-200, 201, 203, 204, 205, 225; PSY-101, 110, 205, 215, 219, 231; SSC-160, 233, 235, 240, 241, 242; SOC-204, 205, 206, 210, 225; WS-101;  Other Science Electives  ANT-101; BI-101, 102, 103, 112, 160L, 165CL, 204, 211, 212, 213, 231, 232, 233, 234; CH-104, 105, 106, 112, 150, 221, 222, 223, 241, 242, 243; ESR-171, 172, 173; G-101, 102, 103, 145, 148, 201, 202, 203; PH-121, 122, 123, 201, 202, 203, 211, 212, 213; PSY-202, 203; English Program Electives  ENG-104*, 105*, 106*, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 213, 218, 225, 226, 230, 240, 241, 250, 251, 252, 255, 260, 261, 266, 295; Only one selection from ENG-104, -105, and -106 will count for credit at UO.  General Elective  Any other minimum 4-credit transferable course except prefix PE or HPE that is not already part of the degree requirements  Arts & Letters Options  Minimum 4 credits per term  WR-220, 204, 241, 242, 243, 244, 245, 246, 262, 263, 265; Or other Arts & Letters courses as listed in the CCC Catalog  Minimum 4 credits per term  WR-220, 204, 241, 242, 243, 244, 245, 246, 262, 263, 265; Or other Arts & Letters courses as listed in the CCC Catalog  Or other Arts & Letters courses as listed in the CCC Catalog					<b>ANT</b> -102 10	3, 231, 232;		
GEO-110, 208; HST-101, 102, 103, 131, 132, 136, 137, 138, 201, 202, 203; PS-200, 201, 203, 204, 205, 225; PSY-101, 110, 205, 215, 219, 231; SSC-160, 233, 235, 240, 241, 242; SOC-204, 205, 206, 210, 225; WS-101; SC-101; SI-101; SI-101, 102, 103, 131, 132, 136, 137, 138, 201, 202, 203; PSY-101, 110, 205, 215, 219, 231; SSC-160, 233, 235, 240, 241, 242; SOC-204, 205, 206, 210, 225; WS-101; SC-101, 102, 103, 112, 160L, 165CL, 204, 211, 212, 213, 231, 232, 233, 234; CH-104, 105, 106, 112, 150, 221, 222, 223, 241, 242, 243; ESR-171, 172, 173; G-101, 102, 103, 145, 148, 201, 202, 203; PH-121, 122, 123, 201, 202, 203; PH-121, 122, 123, 201, 202, 203; PSY-200; Z-201, 202, 203; English Program Electives  ENG-104*, 105*, 106*, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 213, 218, 225, 226, 230, 240, 241, 250, 251, 252, 255, 260, 261, 266, 295; Only one selection from ENG-104, -105, and -106 will count for credit at UO.  General Elective  Any other minimum 4-credit transferable course except prefix PE or HPE that is not already part of the degree requirements  Arts & Letters Options  Minimum 4 credits per term  WR-220, 240, 241, 242, 243, 244, 245, 246, 262, 263, 265; Or other Arts & Letters courses as listed in the CCC Catalog  Minimum 4 credits per term  WR-220, 240, 241, 242, 243, 244, 245, 246, 262, 263, 265; Or other Arts & Letters courses as listed in the CCC Catalog								
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PSY-101, 110, 205, 215, 219, 231; SSC-160, 233, 235, 240, 241, 242; SOC-204, 205, 206, 210, 225; WS-101;  Other Science Electives  ANT-101; BI-101, 102, 103, 112, 160L, 165CL, 204, 211, 212, 213, 231, 232, 233, 234; CH-104, 105, 106, 112, 150, 221, 222, 223, 241, 242, 243; ESR-171, 172, 173; G-101, 102, 103, 145, 148, 201, 202, 203; PH-121, 122, 123, 201, 202, 203, 211, 212, 213; PSY-200; Z-201, 202, 203;  English Program Electives  ENG-104*, 105*, 106*, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 213, 218, 225, 226, 230, 240, 241, 250, 251, 252, 255, 260, 261, 266, 295; *Only one selection from ENG-104, -105, and -106 will count for credit at UO.  General Elective  Any other minimum 4-credit transferable course except prefix PE or HPE that is not already part of the degree requirements  Minimum 4 credits per term WR-220, 240, 241, 242, 243, 244, 245, 246, 262, 263, 265; Or other Arts & Letters courses as listed in the CCC Catalog  Minimum 4 credits per term WR-220, 240, 241, 242, 243, 244, 245, 246, 262, 263, 265; Or other Arts & Letters courses as listed in the CCC Catalog  OC-204, 205, 240, 241, 242, 243, 244, 245, 246, 262, 263, 265; Or other Arts & Letters courses as listed in the CCC Catalog  PSY-101, 110, 205, 215, 230, 240, 241, 242, 243, 244, 245, 246, 262, 263, 265; Or other Arts & Letters courses as listed in the CCC Catalog			3, 201, 20	2, 203;			37, 138, 201, 202	, 203;
SSC-160, 233, 235, 240, 241, 242; SOC-204, 205, 206, 210, 225; WS-101;  Other Science Electives  ANT-101; BI-101, 102, 103, 112, 160L, 165CL, 204, 211, 212, 213, 231, 232, 233, 234; CH-104, 105, 106, 112, 150, 221, 222, 223, 241, 242, 243; ESR-171, 172, 173; G-101, 102, 103, 145, 148, 201, 202, 203; PH-121, 122, 123, 201, 202, 203, 211, 212, 213; PSY-200; Z-201, 202, 203;  ENG-104*, 105*, 106*, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 213, 218, 225, 226, 230, 240, 241, 250, 251, 252, 255, 260, 261, 266, 295; *Only one selection from ENG-104, -105, and -106 will count for credit at UO.  General Elective  Any other minimum 4-credit transferable course except prefix PE or HPE that is not already part of the degree requirements  Arts & Letters Options  Minimum 4 credits per term  WR-220, 240, 241, 242, 243, 244, 245, 246, 262, 263, 265; Or other Arts & Letters courses as listed in the CCC Catalog  Minimum 4 credits per term  WR-220, 240, 241, 242, 243, 244, 245, 246, 262, 263, 265; Or other Arts & Letters courses as listed in the CCC Catalog								
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BI-101, 102, 103, 112, 160L, 165CL, 204, 211, 212, 213, 231, 232, 233, 234;  CH-104, 105, 106, 112, 150, 221, 222, 223, 241, 242, 243;  ESR-171, 172, 173;  G-101, 102, 103, 145, 148, 201, 202, 203;  PH-121, 122, 123, 201, 202, 203, 211, 212, 213;  PSY-200;  Z-201, 202, 203;  English Program Electives  ENG-104*, 105*, 106*, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 213, 218, 225, 226, 230, 240, 241, 250, 251, 252, 255, 260, 261, 266, 295;  *Only one selection from ENG-104, -105, and -106 will count for credit at UO.  General Elective  Any other minimum 4-credit transferable course except prefix PE or HPE that is not already part of the degree requirements  Arts & Letters Options  Minimum 4 credits per term  WR-220, 240, 241, 242, 243, 244, 245, 246, 262, 263, 265; Or other Arts & Letters courses as listed in the CCC Catalog  Minimum 4 credits per term  WR-220, 240, 241, 242, 243, 244, 245, 246, 262, 263, 265; Or other Arts & Letters courses as listed in the CCC Catalog		ce Electives						
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PH-121, 122, 123, 201, 202, 203, 211, 212, 213; PSY-200; Z-201, 202, 203;  English Program Electives  ENG-104*, 105*, 106*, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 213, 218, 225, 226, 230, 240, 241, 250, 251, 252, 255, 260, 261, 266, 295; *Only one selection from ENG-104, -105, and -106 will count for credit at UO.  General Elective  Any other minimum 4-credit transferable course except prefix PE or HPE that is not already part of the degree requirements  Arts & Letters Options  Minimum 4 credits per term  WR-220, 240, 241, 242, 243, 244, 245, 246, 262, 263, 265; Or other Arts & Letters courses as listed in the CCC Catalog  Minimum 4 credits per term  WR-220, 240, 241, 242, 243, 244, 245, 246, 262, 263, 265; Or other Arts & Letters courses as listed in the CCC Catalog	<b>ESR</b> -171, 17	2, 173;	, = - <del>-</del> :	,				
PSY-200; Z-201, 202, 203;  English Program Electives  ENG-104*, 105*, 106*, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 213, 218, 225, 226, 230, 240, 241, 250, 251, 252, 255, 260, 261, 266, 295; *Only one selection from ENG-104, -105, and -106 will count for credit at UO.  General Elective  Any other minimum 4-credit transferable course except prefix PE or HPE that is not already part of the degree requirements  Arts & Letters Options  Minimum 4 credits per term  WR-220, 240, 241, 242, 243, 244, 245, 246, 262, 263, 265; Or other Arts & Letters courses as listed in the CCC Catalog  Minimum 4 credits courses as listed in the CCC Catalog			0.46					
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College Contact	Carol Burnell	Telephone No.		
E-Mail Address		Fax No.		
Chief Academic Officer <i>or</i> CTE	Tara Sprehe via email		Date	1/31/20
Dean Signature				

## Oregon Department of Community Colleges and Workforce Development

255 Capitol Street NE Salem, OR 97310-0203 Office of Educational Improvement & Innovation

Phone: (503) 378-3600 FAX: (503) 378-5156



### **COMMUNITY COLLEGE PROGRAM AMENDMENT FORM**

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

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

Current instructions, forms, handouts and other useful resources are located at <a href="http://www.ode.state.or.us/search/results/?id=231">http://www.ode.state.or.us/search/results/?id=231</a>

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Arts, Information & Communication		☐ Human Resources							
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Proposed AAS Title:									
Proposed OPTION Title:									
Proposed Certificate Title:	Career	& Tech	nica	l Ed	ucati	ion (CTE) Lie	ensure l	Prep	
☐ <i>SUSPENSION</i> of Program	Reason for S	Suspension:	:			_		_	
Suspension Effective Date:									

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

#### **CURRICULUM AMENDMENT** [List in a Defined Sequence of Courses Format, e.g., Quarter-to-guarter mapping. For a New Program, complete the Proposed Curriculum section only.] **CURRENT CURRICULUM 19-20** PROPOSED CURRICULUM 20-21 [List entire curriculum as last approved) [List only course(s) to be amended] Course Hours Credits Credits Course **Title** Title Hours Fall Term ED-130 Comprehensive Classroom 33 3 Management ED-220 Introduction to CTE in 33 3 Oregon Winter Term ED-200 Foundations of Education 33 3 ED-100 **Introduction to Education** 33-44 3-4 Or ED-200 Foundations of Education ED-229 33 3 Learning & Development \*ED-169 Overview of Students 33 3 with Special Needs ED-254 **Instructional Strategies** for Dual Language Learners Spring Term ED-131 **Instructional Strategies** 33 3 ED-258 33 3 **Multicultural Education** ED-280 Practicum/CWE 108 3 216 ED-280 Practicum/CWE 6 Summer Term MTH-105 Math in Society 44 4-5 REMOVE Or higher WR-101 Communication Skills: 33 3-4 **REMOVE** Or higher Occupational Writing Notes The State recommends completion of ED-113 or ED-114, REMOVE ED-169 and ED-254 but they are not required for program completion.

<b>College Contact</b>	Laurette Scott	Telephone No.	3840	
E-Mail Address		Fax No.		_
Chief Academic Office PTE Dean Signature	cer or Contain Rus	Kn	Date	1/27/20

28-30

**TOTAL CURRENT CREDITS:** 

Proof of College (100) level English/Language Arts and

\*Completion of both ED-169 and ED-254 is highly

Completion of ED-113 (fall term) or ED-114 (spring term) is

27-28

Math credits is required for licensure

required for the Restricted CTE License

recommended for licensure

TOTAL PROPOSED CREDITS:

WORKSOURCE OREGON

☐ **SUSPENSION** of Program

**Suspension Effective Date:** 

Phone: (503) 378-3600

FAX: (503) 378-5156

255 Capitol Street NE Salem, OR 97310-0203



This form should be completed electronically and the boxes will expand to accommodate text. Current instructions, forms, handouts and other useful resources are located at

and Certificate of Completion programs)

http://www.ode.state.or.us/search/results/?id=231 College: **Clackamas Community College Date** CAREER LEARNING AREA ☐ Ag, Food & Natural Resource Systems □ Health Services **□** Arts, Information & Communications ■ Human Resources ■ Business & Management ■ Industrial & Engineering Systems PROGRAM INFORMATION **APPROVED** <u>APPROVED</u> **APPROVED** Current **Recognition Award Program Title** CIP Code Credits (Include 7<sup>th</sup> & 8<sup>th</sup> digits used for OCCURS reporting.) (For Official Program Title, refer to your directory at 6-digit CIP http://www.ode.state.or.us/search/results/?id=232) digit digit **AAS Title:** √ AAS **Early Childhood Education & Family** 19.0708 (90-108 credits) 90-93 **Studies Option Title\*\*** ☐ *OPTION* to AAS Degree □ Certificate of **Related Certificates:** Completion Early Childhood Education & Family Studies Certificate Family Development CP Enter name of base degree in 'AAS Title' box LAST AMENDMENT APPROVED ON 04.05.19 TYPE OF PROGRAM AMENDMENT (Check **ALL** That Apply) ■ New Program++ ☐ Curriculum Revision □ Revision in Program Credits □ Title Change for Program **Proposed** Total Credits: **Proposed AAS Title: Proposed OPTION Title: Proposed** Certificate Title:

Reason for Suspension:

+If new program	is an additional award for an exi					formation' section	for existing	g program.
	[List in a Defined Sequ			AMENDME		arter manning		
	For a New Progr							
C	CURRENT CURRICULUM . [List entire curriculum as last appro			P		COURRICULU course(s) to be ame	_	1
Course	Title	Hours	Credits	Course		urse Title	Hours	Credits
	Early Childhood Education	& Family	Studies As	ssociate of Ap	plied Science	ce Degree: 1st Ye	ar	-
Summer Term							-	-
MTH-050 Or	Technical Mathematics I	44	4					
MTH-065	or							
Or	Algebra II							
MTH-098	or							
	College Math Foundations							
WR-101	Communication Skills:	33-	3-4					
Or WR-121	Occupational Writing or	44						
WK 122	English Composition							
Fall Term2								
ECE-150	Introduction to Early Childhood Education & Family Studies	33	3					
ECE-235	Nutrition, Music & Movement in Early Childhood Education	33	3					
ED-100	Introduction to Education	33	3	ED-100	Introduct	ion to Education	44	4
HDF-225	Prenatal, Infant & Toddler Development	33	3					
	PE/Health/Safety/First Aid requirement (see page 82)		2-3					
Winter Term3	14.3		•					
ECE-121	Observation and Guidance I in ECE Settings	44	4					
ECE-154	Language & Literacy Development	33	3					
ECE-240	Environments and Curriculum Planning	33	3					
HDF-247	Preschool Child Development	33	3					
Spring Term4	I =	1 22	Ta		Ī		1	1
ECE-179	The Professional in Early Childhood Education and Family Studies	22	2					
ECE-221	Observation & Guidance II in ECE Settings	44	4					
ECE-280	Early Childhood Education/CWE	108	3					
ED-258	<b>Multicultural Education</b>	33	3					
HDF-140 Or	Contemporary American Families	33-44	3-4					
SOC-210	or						1	

	Marriage, Family, & Intimate Relations					
		milv Stu	dies Assoc	ciate of Applie	ed Science Degree: 2 <sup>nd</sup> Year	
Fall Term5	•			- '	_	
ECE-239	Helping Children and Families Cope With Stress	33	3			
ECE-241	Environments and Curriculum Planning: Infants and Toddlers	33	3			
HDF-260	Understanding Child Abuse and Neglect	44	4			
	Early Childhood Education program electives		3		Early Childhood Education program electives	2
Winter Term6						
ECE-289	The Project Approach in Early Childhood Education	11	1			
ECE-291	Practicum II	120	4			
ED-169	Overview of Students with Special Needs	33	3			
ED-254	Instructional Strategies for Dual Language Learners	33	3			
	Early Childhood Education program electives		3			
Spring Term7						
ECE-177	Maximizing the Outdoors in ECE Curriculum	33	3			
ECE-292	Practicum III	120	4			
ED-114	Instructional Strategies in Math & Science	33	3			
ED-246	School, Family & Community Relations	44	4			
Early Childhoo	d Education & Family Studies	Program	Electives	_		
BA-101	Introduction to Business	44	4			
COMM-100	Basic Speech Communication	33	3			
ECE-139	Program Management in ECE	11	1			
ECE-142	Media, Technology and the Influences on Child Development	11	1			
ECE-143	Kindergarten Readiness	11	1			
ECE-144	Working with the Gifted Young Child	11	1			
ED-150	Creative Activities for Children	33	3			
ED-229	Learning & Development	33	3			
ED-235	Educational Technology	33	3			
HS-154	Community Resources	33	3			
HST-138	History of Love, Marriage and the Family in Western Civilization	44	4			
PSY-101	Human Relations	33	3			

TOTAL CUR	RRENT CREDITS:		90-93	TOTAL PR	ROPOSED CREDITS:		
				FYE-101	First Year Experience Level I	22	2
				COMM- 140	Introduction to Intercultural Communication	44	4
WS-101	Introduction to Women's Studies	44	4				
WR-122	English Composition	44	4				
SPN-102	First-Year Spanish II	44	4				
SPN-101	First-Year Spanish I	44	4				
SOC-204	Introduction to Sociology	44	4				
PSY-215	Introduction to Developmental Psychology	44	4				
PSY-205	Psychology as a Social Science	44	4				

College Contact	Dawn Hendricks	Telephone No.	6158	
E-Mail Address	_	Fax No.		_
Chief Academic Office PTE Dean Signature		KN	Date	1/27/20
	0			

**Suspension Effective Date:** 

Phone: (503) 378-3600

FAX: (503) 378-5156

255 Capitol Street NE Salem, OR 97310-0203



### **COMMUNITY COLLEGE PROGRAM AMENDMENT FORM**

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

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

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

College: Clackamas Communit	ollege: Clackamas Community College							
			NO 4 D					
	CAREER							
☐ Ag, Food & Natural Resource Syste			Health S					
☐ Arts, Information & Communication ☐ Business & Management	ons		Human			stoms		
□ Business & Management			maustri	ai & E	ngineering Sy	Stems		
	PROGRA	M INFO	RMATIO	ON				
<u>APPROVED</u>		APF	PROVED	)	APPRO	<u>VED</u>	Cur	rent
Program Title		CI	P Code		Recognition	<b>Award</b>	Cre	dits
			7 <sup>th</sup> & 8 <sup>th</sup> d for OCCUR					
(For Official Program Title, refer to your dire	ctory at	rep	orting.)					
http://www.ode.state.or.us/search/results/?i		<u>6-digit Ci</u>	<u>Z<sup>th</sup></u> <u>digit</u>	<u>8<sup>th</sup></u> <u>digit</u>				
AAS Title:					☐ Associate	_		
Early Childhood Education & Fa	mily				Applied S			
Studies AAS					(AAS) Deg	gree		
Option Title**					□ <i>OPTION</i> t	o AAS		
					Degree			
Certificate Title: Within AAS Degree? √ Y	res** □				√ CC1R Rela	ated		
No		19.070	1		Certificate	_	49-5	52
Early Childhood Education & Fa	mily				(45-60 cr	edits)		
Studies  **Enter name of base degree in 'AAS Title' box								
AST AMENDMENT APPROVED ON 04/06/201	<mark>18</mark>							
TY	PE OF PI	ROGRAM	IAMEN	DME	NT			
		eck <b>ALL</b> Th						
□ New Program++	☐ Curri	<mark>culum R</mark> e	evision			<mark>n in Prog</mark>		Credits
☐ Title Change for Program					<b>Proposed</b> To	otal Credi	ts:	50-53
<b>Proposed</b> AAS Title:								
<b>Proposed OPTION Title:</b>								
Proposed Certificate Title:								
☐ SUSPENSION of Program	Reason for S	Suspension:						

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

Trick program	is an additional award for an exi			AMENDME		or existing	programm	
CURRENT CURRICULUM 19-20 [List entire curriculum as last approved)				PROPOSED CURRICULUM 20-21 [List only course(s) to be amended]				
Course Number	Course Title	Clock Hours	Credits	Course Number	Course Title	Clock Hours	Credits	
Summer Term								
MTH-050 Or MTH-065 Or MTH-098	Technical Mathematics I or Algebra II or College Math Foundations	44	4					
WR-101 Or WR-121	Communication Skills: Occupational Writing or	33- 44	3-4					
Fall Term	English Composition							
ECE-150	Introduction to Early Childhood Education & Family Studies	33	3					
ECE-235	Nutrition, Music & Movement in Early Childhood Education	33	3					
ED-100	Introduction to Education	33	3	ED-100	Introduction to Education	44	4	
HDF-225	Prenatal, Infant & Toddler Development	33	3					
	PE/Health/Safety/First Aid requirement (see page 82)		2-3					
Winter Term								
ECE-121	Observation and Guidance I in ECE Settings	44	4					
ECE-154	Language & Literacy Development	33	3					
ECE-240	Environments and Curriculum Planning	33	3					
HDF-247	Preschool Child Development	33	3					
Spring Term								
ECE-179	The Professional in Early Childhood Education and Family Studies	22	2					
ECE-221	Observation & Guidance II in ECE Settings	44	4					
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ED-258	<b>Multicultural Education</b>	33	3					
HDF-140 Or SOC-210	Contemporary American Families or Marriage, Family, & Intimate Relations	33-44	3-4					
TOTAL CURR	RENT CREDITS:		49-52	TOTAL PR	OPOSED CREDITS:		50-53	

College Contact	Telephone No.	6158		
E-Mail Address	dawn.hendricks@clackamas.edu	Fax No.		
Chief Academic Office PTE Dean Signature		N	Date	1/27/20
	O			

☐ Ag, Food & Natural Resource Systems

**Clackamas Community College** 

255 Capitol Street NE Salem, OR 97310-0203

College:

Phone: (503) 378-3600 FAX: (503) 378-5156

1-17-2020

□ Revision in Program Credits

**Proposed** Total Credits:



New Program++

**Title Change for Program** 

**☐ SUSPENSION** of Program

Proposed AAS Title:
Proposed OPTION Title:
Proposed Certificate Title:

### **COMMUNITY COLLEGE PROGRAM AMENDMENT FORM**

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

**Date** 

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

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**CAREER LEARNING AREA** 

☐ Health Services

Arts, Information & Communications	rces												
☐ Business & Management x Industrial & Engineering Systems													
	<u>-</u>												
PROGRAM INFORMATION													
<u>APPROVED</u>	<u>APPRO</u>	OVED		<u>APPROVED</u>	Current								
Program Title	CIP C			<b>Recognition Award</b>	Credits								
	(Include 7 <sup>th</sup> & 8 for OCCURS I												
(For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)	6-digit CIP	<u>Z<sup>th</sup></u>	<u>8</u> th										
		<u>digit</u>	<u>digit</u>										
Parent Program	46 0204			☐Statewide AAS	00.404								
Electrician Apprenticeship	46.0301	Ι	*	(90-108 credits)	90-101								
Technologies SAAS													
Apprenticeship Area:													
Inside Electrician (IE)	AAS.ELECTRICIANIE												
Limited Energy (LE)	AAS.ELECTRICIANLE												
Lineman (UL)	AAS.ELECTRICIANUL												
Meterman (UM)	AAS.ELECTRICIA												
Wireman (UW) Limited Maintenance Electrician (LME)	AAS.ELECTRICIANUME												
Line Estimator (UE)	AAS.ELECTRICIANUE												
Related Certificates:													
Electrician Apprenticeship Technologies SCC1				-									
Limited License Electrician Apprenticeship Technologie	es SCPC												
**Enter name of base degree in 'AAS Title' box													
ast amendment approved on 04.05.19													

TYPE OF PROGRAM AMENDMENT (Check ALL That Apply)

**Curriculum Revision** 

Reason for Suspension:

<b>Suspension Effective Date:</b>	

### **CURRICULUM AMENDMENT**

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

	For a New Progra	pposed Curriculum section only.]					
CURRENT CURRICULUM 19-20 [List entire curriculum as last approved)				PROPOSED CURRICULUM 20-21 [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
APR000	Apprenticeship-Credit for Prior Certification		22				
*APR1000	Computation Related Instruction		3-4				
APR2000	Communication Related		3-4		1		
APR3000	Human Relations Related Instruction		3-4				
DELIBEOOO			1-3				
PEHREQ000 APRIE000	PE/Health Related Instruction Apprenticeship-Inside		48		_		
APRIEUUU	Electrician (IE)		46				
	Inside Electrician (IE) Electives		10-5				
APR-125IE	DC Theory	36	3				
APR-134IE	Residential Wiring I	36	3				
APR-135IE	Residential Wiring II	36	3				
APR-136IE	Electrical Design I	36	3				
APR-145IE	Grounding & Bonding	36	3				
APR-155IE	Motors & Transformers	36	3				
APR-165IE	AC Theory	36	3				
APR-175IE	Blueprint Reading for Construction Trades	36	3				
APR-185IE	Electrical Systems	36	3				
APR-235IE	Special Installations	36	3				
APR-236IE	Motors & Controls	36	3				
APR-237IE	Electrical Design II	36	3				
APR-245IE	NEC Analysis I	36	3				
APR-255IE	NEC Analysis II	36	3				
APR-265IE	NEC Analysis III	36	3				
APR-275IE	NEC Analysis IV	36	3				
APRLE000	Apprenticeship-Limited Energy (LE)		36				
-	Limited Energy (LE) Electives		22-17				
APR-111LE	Residential Technologies	48	4				
APR-112LE	Basic Trade, Code & Safety	48	4				
APR-113LE	Specialized Control Systems	48	4				
APR-114LE	Data Communications	48	4				
APR-115LE	Amplified Systems	48	4				
APR-116LE	Security Systems	48	4				
APR-217LE	Integrated Systems	48	4				
APR-218LE	Fire Alarm Systems	48	4				
APR-219LE	ADA & Code	48	4				
APRUL000	Apprenticeship-Lineman (UL)		62				

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

	<b>.</b>	1	<del>-</del>		Ī	
ADD 444111	Outside Electrical Basic		_			
APR-111UL	Theory I	55	5			
APR-112UL	Outside Electrical Basic Theory II	55	5			
AFR-112UL	Outside Electrical Basic	33	3			
APR-113UL	Theory III	55	5			
APR-115UL	Initial Pole Yard Training	80	4			
AI N-1130L	Six Month Pole Yard Review	80	7			
APR-116UL	Training	40	2			
APR-118UL	Transformer Connections I	24	1			
7 22002	Outside Electrical		_			
APR-121UL	Fundamental Theory I	55	5			
	Outside Electrical					
APR-122UL	Fundamental Theory II	55	5			
	Outside Electrical					
APR-123UL	Fundamental Theory III	55	5			
APR-125UL	Hot Stick Training	80	4			
APR-126UL	Troubleman Training	80	4			
APR-128UL	Transformer Connections II	24	1			
APR-138UL	Transformer Connections III	24	1			
	Outside Electrical Advanced					
APR-231UL	Theory I	55	5			
	Outside Electrical Advanced					
APR-232UL	Theory II	55	5			
	Outside Electrical Advanced		<b>l</b> _			
APR-233UL	Theory III	55	5			
APRUM000	Apprenticeship-Meterman (UM)		59			
APR-110UM	Initial Meterman Training	80	4			<u> </u>
APR-1100W	Metering: Basics I	55	5			
APR-1110W	Metering: Basics II	55	5			
APR-112UM	Metering: Basics III	55	5			
APK-1130W	Substation Metering & Relay	33	J			
APR-115UW	Overview	40	2			
74111223011	Network Data Operations		_			
APR-116UM	(NDO) Overview	11	1			
APR-117UM	Special Tester Overview	40	2			
APR-118UL	Transformer Connections I	24	1			
	Leadman Repairman					
APR-118UM	Overview	40	2			
APR-121UM	Metering: Fundamentals I	55	5			
APR-122UM	Metering: Fundamentals II	55	5			
APR-123UM	Metering: Fundamentals III	55	5			
APR-128UL	Transformer Connections II	24	1			
APR-138UL	Transformer Connections III	24	1			
APR-231UM	Metering: Advanced I	55	5			
APR-232UM	Metering: Advanced II	55	5			
APR-233UM	Metering: Advanced III	55	5			
APRUW000	Apprenticeship-Wireman (UW)		64			
	Initial Substation Wireman					
APR-110UW	Training	80	4			
APR-111UW	Basic Substation Wireman I	55	5			
WI IV-TTTO AA	Basic Substation Wileman	55	9			
APR-112UW	Basic Substation Wireman II	55	5			

I <del></del>					•		
APR-113UW	Basic Substation Wireman III	55	5				
APR-115UW	Substation Metering & Relay Overview	40	2				
	System Control & Data						
	Acquisitions (SCADA)						
APR-116UW	Overview	40	2				
APR-117UW	Safety Coordinator Overview	20	1				
APR-118UW	Substation Operator Overview	40	2				
APR-119UW	Batteryman Overview	40	2				
APR-121UW	Fundamental Substation Wireman I	55	5				
APR-122UW	Fundamental Substation Wireman II	55	5				
APR-123UW	Fundamental Substation Wireman III	55	5				
APR-125UW	Wireman Hotstick Training	80	4				
APR-128UW	Transformer Shop Overview	40	2				
, 11 11 1200 VV	Advanced Substation	40	-				
APR-231UW	Wireman I	55	5				
	Advanced Circuit Theory &						
APR-232UW	Troubleshooting I	55	5				
APR-233UW	Advanced Circuit Theory & Troubleshooting II	55	5				
APRLME000	Apprenticeship-Limited		29				
	Maintenance Electrician (LME)						
	Limited Maintenance Electrician (LME) Electives		29-24				
APR-104LM	Reading Schematics and Symbols	22	2				
APR-107LM	Industrial Safety & First Aid	33	3				
APR-130LM	Basic Electricity I	33	3				
APR-131LM	Basic Electricity II	33	3				
APR-132LM	Basic Electricity III	33	3				
APR-202LM	Electrical Code Level I	44	4				
APR-203LM	Electrical Code-Level II	44	4				
APR-204LM	Electrical Code-Level III	44	4				
APR-223LM	Instrumentation & Controls	66	3				
				APRUE000	Apprenticeship-Line Estimator (UE)		57
				APR-111UE	Line Estimator Basic I: Tools and Equipment	44	4
				APR-112UE	Line Estimator Basic II: Electrical Theory	44	4
				APR-113UE	Line Estimator Basic III: Wire Circuits	44	4
				APR-121UE	Line Estimator Theory I: Operations	44	4
				APR-122UE	Line Estimator Theory II: Standards	44	4
				APR-123UE	Line Estimator Theory III: Power Line	44	4
				APR-131UE	Electric Utility System Operation (EUSO)	30	3
				APR-132UE	Estimator Navigational Mapping	30	3

	APK-233UE	Line Estimator Responsibility III: Field Responsibility	44	4
	APR-233UE	Line Estimator Responsibility II: Substation	44	4
	APR-231UE	Line Estimator Responsibility I: Live Line	44	4
	APR-137UE	Estimator Field Functions	30	3
	APR-136UE	Estimator Transformer Training	30	3
	APR-135UE	Estimator Metering	30	3
	APR-134UE	Estimator Phase Design	30	3
	APR-133UE	Estimator Facility Point Inspection	30	3

College Contact		Telephone No.		
E-Mail Address	_	Fax No.		_
Chief Academic Office PTE Dean Signature	er or	Las	Date	1/21/20

**Suspension Effective Date:** 

Phone: (503) 378-3600

FAX: (503) 378-5156

255 Capitol Street NE Salem, OR 97310-0203



### **COMMUNITY COLLEGE PROGRAM AMENDMENT FORM**

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

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College:	Clackamas Communit	ty Colleg	е				Date			
		CADEED	LEA	DNITNIC	AD	ΕΛ				
□ Ac Fee		CAREER	LEA			EA Servic				
	<ul><li>☐ Ag, Food &amp; Natural Resource Systems</li><li>☐ Arts, Information &amp; Communications</li></ul>					Resou				
	s & Management	0115					inces Engineering Sy	stoms		
<u> </u>	3 & Management			A III	ustri	ai & i	inginicering Sy	<u>stems</u>		
		PROGRA	M IN	IFORM	ATIO	ON				
	<u>APPROVED</u>			APPRO	OVED		<u>APPRO</u>	<u>VED</u>	Cur	rent
	Program Title			CIP C			Recognition	n Award	Cre	dits
				clude 7 <sup>th</sup> a						
(For Office	rial Program Title refer to your direct	ctory at		report	ing.)					
(For Official Program Title, refer to your directory at <a href="http://www.ode.state.or.us/search/results/?id=232">http://www.ode.state.or.us/search/results/?id=232</a> )			<u>6-a</u>	<u>igit CIP</u>	<u>Z<sup>th</sup></u> <u>digit</u>	<u>8<sup>th</sup></u> <u>digit</u>				
AAS Title:						☐ Associate	of			
	72.6 1.4.6.						Applied S			
	-141 -						(AAS) De			
	ertificates:						☐ <i>OPTION</i> to Degree	o AAS		
	Survival & Leadership CP re Forestry CP						Degree			
Wildland Fir	•									
	e Title: <u>Within AAS Degree? √ Y</u>	′es** □					√ CC1			
No		_	43.	0203			(45-60 credit	s)	46-	<b>48</b>
	nce (Wildland)									
	of base degree in 'AAS Title' box ENT APPROVED ON 01/19/18									
	· ,	PE OF PI	ROG	ΡΔΜ Δ	MFN	DMF	ENT			
	.,			LL That A						
	rogram++	☐ Curri	culu	m Revi	sion		✓ Revisio	<mark>n in Prog</mark>	ram (	Credits
☐ Title Cl	hange for Program					<b>Proposed</b> To	otal Credit	s:	45-48	
	<b>Proposed</b> AAS Title:									
	<b>Proposed OPTION Title:</b>									
Pro	oposed Certificate Title:	Wildlan	d Fi	re Scie	nce					
□ SUSPE	ENSION of Program	Reason for S	Suspens	sion:						

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

## **CURRICULUM AMENDMENT**

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

				Proposed Curriculum section only.]					
	CURRENT CURRICULUM .  [List entire curriculum as last appro			PROPOSED CURRICULUM 20-21 [List only course(s) to be amended]					
Course	Title	Hours	Credits	Course	Title	Hours	Credits		
First Term						=			
FRP-101	Basic Forest Management	33	3						
FRP-102	Basic Forest Management Lab	33	1						
FRP-130	Introduction to Wildland Firefighting (S-130/S- 190/L-180)	44	2						
FRP-243	Wilderness I: Psychology of Survival	22	2	FRP-243	Wilderness I: Psychology of Survival	33	3		
WR-101 Or WR-121	Communication Skills: Occupational Writing Or English Composition	33- 44	3-4						
	Fire Science (Wildland) program electives		4		REMOVE	_	_		
				GIS-101	Principles of Geospatial Technology	44	2		
Second Term									
FRP-211	Portable Pumps and Water Use (S-211)	20	2						
FRP-244	Wilderness II: Basic Land Navigation (S-244)	33	3						
FRP-246	Wilderness IV: Backcountry CPR/First Aid/AED	44	2						
MTH-050 Or MTH-065	Technical Mathematics I Or Algebra II	44	4						
	Fire Science (Wildland) program electives		5		Fire Science (Wildland) program electives		2-3		
				FRP-245	Wilderness III: Weather of the Northwest	22	2		
Third Term									
FRP-110	Basic Wildland Fire Investigation (FI-110)	10	1						
FRP-131	Advanced Firefighter Training (S-131/S-133)	12	1						
FRP-245	Wilderness III: Weather of the Northwest	22	2		Move to Term 2				
FRP-249	Followership to Leadership (L-280)	20	2						
FRP-250	Wilderness VI: Basic Tool Use and Care	20	1						
FRP-270	Basic Air Operations (S-270)	16	1						
FRP-280	Wildland Fire CWE	108	3		REMOVE				

	Human Relations requirement		3-4					
	Fire Science (Wildland) program electives		1		REMOVE			
				BI-103	General Biology; Plants & the Ecosystem	66	4	
				BI-103L	General Biology; Plants & The Ecosystem Lab	33	0	
				FRP-205	Forest Management Assessments and Inventories	33	3	
Wildland Fire S	Science Program Electives							
Any EMT, FRP, GEO, GIS, or USP course not included in the Fire Science (Wildland) program			Any EMT, FRP, GEO, GIS, or UAS course not included in the Wildland Fire Science program					
TOTAL CURRENT CREDITS: 46			46-48	TOTAL PROPOSED CREDITS:			45-48	

College Contact	Jeff Ennenga	Telephone No.	3539	
E-Mail Address		Fax No.		
Chief Academic Office PTE Dean Signature		eln	Date	1/16/20
	0	•		

255 Capitol Street NE Phone: (503) 378-3600 Salem, OR 97310-0203 FAX: (503) 378-5156



### **COMMUNITY COLLEGE PROGRAM AMENDMENT FORM**

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

Office of Educational Improvement & Innovation

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

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

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

College: Clackamas Community College					Date				
	CAREER	LEAF	RNING	ARI	ΕA				
☐ Ag, Food & Natural Resource Systems ☐ Health Services									
☐ Arts, Information & Communication			☐ Hu	man l	Resou	ırces			
☐ Business & Management			X Inc	dustri	al & E	ngineering Sy	stems		
	PROGRA	M TN	FORM	ΔΤΙ	N				
APPROVED Program Title			NFORMATION  APPROVED  CIP Code  nclude 7 <sup>th</sup> & 8 <sup>th</sup> digits  used for OCCURS  reporting.)			APPROVED Recognition Award		Curren Credit	
(For Official Program Title, refer to your directory at <a href="http://www.ode.state.or.us/search/results/?id=232">http://www.ode.state.or.us/search/results/?id=232</a> )			git CIP	<u>Z<sup>th</sup></u> digit	<u>8</u> th digit				
AAS Title: Fire Science (Wildland) Certificate						☐ Associate Applied S (AAS) De	cience		
Option Title**						☐ <i>OPTION</i> t Degree	o AAS		
Certificate Title: <u>Within AAS Degree? √ Y No</u> No Wilderness Survival & Leadersh		43.0	0203			√ Career Pa (12-44)	thway	14	
**Enter name of base degree in 'AAS Title' box AST AMENDMENT APPROVED ON 02/03/17									
	PE OF PI		RAM A		DME	NT			
☐ New Program++	□ Curri			, ,		✓ Revisio	n in Prog	ram Cre	dits
☐ Title Change for Program						<b>Proposed</b> To			
Proposed AAS Title:									
<b>Proposed OPTION Title:</b>									
<b>Proposed</b> Certificate Title:									
☐ SUSPENSION of Program	Reason for S	Suspensi	ion:						
Suspension Effective Date:									

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

CURRICULUM AMENDMENT [List in a Defined Sequence of Courses Format, e.g., quarter-to-quarter mapping.									
					culum section only.]				
CURRENT CURRICULUM 19-20 [List entire curriculum as last approved)				PROPOSED CURRICULUM 20-21 [List only course(s) to be amended]					
Course	Title	Hours	Credits	Course	Title	Hours	Credits		
FRP-243	Wilderness I: Psychology of Survival	22	2	FRP-243	Wilderness I: Psychology of Survival	33	3		
FRP-244	Wilderness II: Basic Land Navigation (S-244)	33	3						
FRP-245	Wilderness III: Weather of the Northwest	22	2						
FRP-246	Wilderness IV: Backcountry CPR/First Aid/AED	44	2						
FRP-248	Wilderness V: Introduction to Search and Rescue	22	2						
FRP-249	Followership to Leadership (L-280)	20	2						
FRP-250	Wilderness VI: Basic Tool Use and Care	20	1						

College Contact	Jeff Ennenga	Telephone No.	3539	
E-Mail Address		Fax No.		
Chief Academic Office PTE Dean Signature	cer or Contain Rus	Ky	Date	1/16/20

TOTAL PROPOSED CREDITS:

15

14

Catalog Notes:

TOTAL CURRENT CREDITS:

Note: Courses do not need to be taken in sequence

255 Capitol Street NE Salem, OR 97310-0203 Office of Educational Improvement & Innovation

Phone: (503) 378-3600 FAX: (503) 378-5156



### **COMMUNITY COLLEGE PROGRAM AMENDMENT FORM**

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

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

College: Clackamas Community College Date

CAREER LEARNING AREA									
	Ag, Food & Natural Resource Systems		<b>Health Service</b>	es					
☐ Arts, Information & Communications			☐ Human Resources						
☐ Business & Management			☐ Industrial & Engineering Systems						
PROGRAM INFORMATION									
	<u>APPROVED</u>	Al	PPROVED	<u>APPROVED</u>	Current				
	Dua avana Titla		TD Code	Decemblish Assess	C				

PROGRAM INFORMATION							
<u>APPROVED</u> Program Title	APPROVED  CIP Code  (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits  used for OCCURS  reporting.)		igits	<u>APPROVED</u> Recognition Award	Current Credits		
(For Official Program Title, refer to your directory at <a href="http://www.ode.state.or.us/search/results/?id=232">http://www.ode.state.or.us/search/results/?id=232</a> )	6-digit CIP	<u>Z<sup>th</sup></u> <u>digit</u>	<u>8<sup>th</sup></u> <u>digit</u>				
Parent Program: Fire Science (Wildland) Certificate				☐ Associate of Applied Science (AAS) Degree			
Option Title**				☐ OPTION to AAS Degree			
Certificate Title: <u>Within</u> AAS Degree? √ Yes** □ No Wildland Fire Forestry — Career Pathway	43.0203			√ Career Pathway (12-44)	19		

<sup>\*\*</sup>Enter name of base degree in 'AAS Title' box

TYPE OF PROGRAM AMENDMENT (Check ALL That Apply)									
□ New Program++	☐ Curriculum Revision	☐ Revision in Program (	Credits						
☐ Title Change for Program		<b>Proposed</b> Total Credits:	18						
Proposed AAS Title:									
Proposed OPTION Title:									
<b>Proposed</b> Certificate Title:									
☐ SUSPENSION of Program	Reason for Suspension:								
Suspension Effective Date:									

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

## **CURRICULUM AMENDMENT**

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

	CURRENT CURRICULUM  [List entire curriculum as last appro			P	PROPOSED CURRICULUM 20-21 [List only course(s) to be amended]				
Course	Title	Hours	Credits	Course	Title	Hours	Credits		
BI-103	General Biology; Plants & the Ecosystem	66	4						
BI-103L	General Biology; Plants & The Ecosystem Lab	33	0						
FRP-101	Basic Forest Management	33	3						
FRP-102	Basic Forest Management Lab	33	1						
FRP-201	Advanced Forest Management	33	3						
FRP-205	Forest Management Assessments and Inventories	33	3		REMOVE	_			
FRP-244	Wilderness II: Basic Land Navigation (S-244)	33	3						
FRP-246	Wilderness IV: Backcountry CPR/First Aid/AED	44	2						
				GIS-101	Principles of Geospatial Technology	44	2		
TOTAL CUR	RENT CREDITS:	_	19	TOTAL PR	OPOSED CREDITS:	-	18		

<b>College Contact</b>	Jeff Ennenga	Telephone No.	3539	
E-Mail Address		Fax No.		
Chief Academic Office PTE Dean Signature		<u>~1</u>	Date	1/16/20

255 Capitol Street NE Phone: (503) 378-3600 Salem, OR 97310-0203 FAX: (503) 378-5156



### **COMMUNITY COLLEGE PROGRAM AMENDMENT FORM**

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

Office of Educational Improvement & Innovation

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

College: Clackamas Community College						Date				
	CAREER	LEA	RNING	ARI	EA					
Ag, Food & Natural Resource System				alth S						
☐ Arts, Information & Communication	ns			man l						
√ Business & Management				lustri	al & E	ngi	neering Sys	stems		
PROGRAM INFORMATION										
APPROVED Program Title			APPRO CIP C clude 7 <sup>th</sup> 8 used for C reporti	ode & 8 <sup>th</sup> di OCCURS	gits	R				ent dits
(For Official Program Title, refer to your direct <a href="http://www.ode.state.or.us/search/results/?i">http://www.ode.state.or.us/search/results/?i</a>		<u>6-d</u>	igit CIP	<u>Z<sup>th</sup></u> <u>digit</u>	<u>8<sup>th</sup> digit</u>					
AAS Title: Wildland Fire Management						√	AAS (90-108 c	redits)	90-9	94
Option Title**							<i>OPTION</i> to Degree	O AAS		
Certificate Title: <u>Within</u> AAS Degree? ☐ Yes** ☐ No							Certificate Completio			
**Enter name of base degree in 'AAS Title' box									•	
TYPE OF PROGRAM AMENDMENT (Check ALL That Apply)										
☐ New Program++	□ Curri	culu	m Revi	sion		☐ Revision in Program Credits				redits
□ Title Change for Program					<b>Proposed</b> Total Credits: 90			90-93		
Proposed AAS Title:										
Proposed OPTION Title:										
Proposed Certificate Title:										
□ SUSPENSION of Program  Reason for Suspension:										

**Suspension Effective Date:** 

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

## **CURRICULUM AMENDMENT**

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

			nplete the	Proposed Cur	riculum section only.]				
	CURRENT CURRICULUM			PROPOSED CURRICULUM 20-21					
	ist entire curriculum as last a		L a		[List only course(s) to be am				
Course	Title	Hours	Credits	Course	Title	Hours	Credits		
F-!! T			1 <sup>51</sup> Y	ear ear					
Fall Term	Davis Franci	00	L 0						
FRP-101	Basic Forest Management	33	3						
FRP-102	Basic Forest Management Lab	33	1						
FRP-130	Introduction to Wildland Firefighting (S-130/S- 190/L-180)	44	2						
FRP-243	Wilderness I: Psychology of Survival	22	2	FRP-243	Wilderness I: Psychology of Survival	33	3		
WR-101 Or WR-121	Communication Skills: Occupational Writing or English Composition	33-44	3-4						
	Program Electives		4		Program Electives		1		
				GIS-101	Principles of Geospatial Technology	44	2		
Winter Term	•	8				<u> </u>			
FRP-211	Portable Pumps and Water Use (S-211)	20	2						
FRP-244	Wilderness II: Basic Land Navigation (S-244)	33	3						
FRP-246	Wilderness IV: Backcountry CPR/First Aid/AED	44	2	FRP-246	Wilderness IV: Backcountry CPR/First Aid/AED	44	2		
MTH-050 Or MTH-065	Technical Mathematics I Or Algebra II	44	4						
	Related Instruction: PE/Health/Safety/First Aid		1-3	Remove					
	Program Electives		4		Program Electives		2-3		
				FRP-245	Wilderness III: Weather of the Northwest	22	2		
Spring Term									
FRP-110	Basic Wildland Fire Investigation (FI-110)	10	1						
FRP-131	Advanced Firefighter Training (S-131/S-133)	12	1						
FRP-245	Wilderness III: Weather of the Northwest	22	2		Move to Term 2				
FRP-249	Followership to Leadership (L-280)	20	2						
FRP-250	Wilderness VI: Basic Tool Use and Care	20	1						
FRP-270	Basic Air Operations (S-270)	16	1						

FRP-280	Wildland Fire CWE	108	3		Remov	ve		
-	Related Instruction: Human Relations		3-4					
				BI-103	General Biology; Pl the Ecosystem	ants &	66	4
				BI-103L	General Biology; Pl The Ecosystem Lab		33	0
				FRP-205	Forest Managemen Assessments and Inventories		33	3
-	Program Electives		1		REMO	√E		-
			2 <sup>nd</sup>	Year				
Fall Term								
FRP-200	Basic Incident Command System (I- 100, I-200, IS-700, IS- 800)	44	4					
FRP-275	Wildland Fire Management 1	40	4					
FRP-290	Intermediate Wildland Fire Behavior (S-290)	32	3		Move to T	erm 5		
GIS-201	Introduction to Geographic Information Systems	66	3					
	Program Electives		1		Program Electives			4
Winter Term		_	_			_		_
FRP-215	Fire Operations in the Urban Interface (S-215)	24	2					
FRP-220	Initial Attack Incident Commander (S-200)	16	1					
FRP-265	Wildland Fire Prevention Education 1 (P-101)	33	3					
	GIS Electives		3					
	Program Electives		6		Program Electives			3
				FRP-290	FRP-290 Intermediate Wildland Fire Behavior (S-290)		32	3
Spring Term		_	_		·			-
FRP-212	Wildfire Power Saws (S-212)	40	2					
FRP-230	Crew Boss (Single Resource) (S-230)	24	2					
FRP-231	Engine Boss (Single Resource) (S-231)	12	1					
FRP-280	Wildland Fire CWE	108	3		REMO	/E		
	Program Electives		6	Program Electives 7				
					GIS Electives			2-3
Program Ele								
	RP, GEO, GIS, or USP cours Fire Management Program.	e not ind	cluded in		FRP, GEO, GIS, or Under Fire Management F		e not in	cluded i
TOTAL <i>CUR</i>	RRENT CREDITS:		90-94	TOTAL PR	ROPOSED CREDITS:			90-93
College Co	<b>Interior Services</b> Jeff Ennenga				Telephone No.	3539		
	demic Officer or					Date	1/16	/22

College: Clackamas Community College

**Suspension Effective Date:** 

255 Capitol Street NE Salem, OR 97310-0203 Office of Educational Improvement & Innovation

Phone: (503) 378-3600 FAX: (503) 378-5156



### **COMMUNITY COLLEGE PROGRAM AMENDMENT FORM**

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

Date

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

9							
	CAREER	LEARNIN	IG AR	FΔ			
☐ Ag, Food & Natural Resource Syst			lealth S		es		
☐ Arts, Information & Communication			luman				
☐ Business & Management	_				Engineering Sys	stems	
	PROGRA	M INFOR	MATI	ON			
<u>APPROVED</u>		APP	ROVED	2	<u>APPRO</u>	VED .	Current
Program Title			Code		Recognition	Award	Credits
		(Include 7	<sup>տ</sup> & 8 <sup>տ</sup> d r OCCUR				
(For Official Program Title, refer to your dire	octory at	repo	rting.)		Į.		
http://www.ode.state.or.us/search/results/?		<u>6-digit CII</u>	<u>Z<sup>th</sup></u> <u>digit</u>	<u>8<sup>th</sup></u> <u>digit</u>			
AAS Title:					☐ Associate	of	
Fire Science (Wildland) Certificate					Applied So		
					(AAS) Deg		
Option Title**					☐ <i>OPTION</i> to Degree	AAS	
					Degree		
Certificate Title: Within AAS Degree? √	res** □				√ Career Pat	thway	
No		43.0203	3		(12-44)		12
Wildland FireFighter 1 – Career Pathway							
**Enter name of base degree in 'AAS Title' box							
AST AMENDMENT APPROVED ON 11/17/17							
T.		ROGRAM eck ALL Tha		IDME	ENT		
☐ New Program++		culum Re			■ Revision	ı in Progra	m Credits
☐ Title Change for Program					<b>Proposed</b> To		
Proposed AAS Title:							
Proposed OPTION Title:							
<b>Proposed</b> Certificate Title:							
☐ SUSPENSION of Program	Reason for S	Suspension:					

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

## **CURRICULUM AMENDMENT**

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

	CURRENT CURRICULUM			PROPOSED CURRICULUM 20-21					
	[List entire curriculum as last appro			[List only course(s) to be amended]					
Course	Title	Hours	Credits	Course	Title	Hours	Credits		
FRP-130	Introduction to Wildland Firefighting (S-130/S- 190/L-180)	44	2						
FRP-131	Advanced Firefighter Training (S-131/S-133)	12	1						
FRP-211	Portable Pumps and Water Use (S-211)	20	2						
FRP-244	Wilderness II: Basic Land Navigation (S-244)	33	3						
FRP-246	Wilderness IV: Backcountry CPR/First Aid/AED	44	2						
FRP-250	Wilderness VI: Basic Tool Use and Care	20	1						
FRP-270	Basic Air Operations (S-270)	16	1						
				FRP-249	Followership to Leadership (L-280)	20	2		
TOTAL CUI	RRENT CREDITS:	-	12	TOTAL PR	OPOSED CREDITS:		14		

College Contact	Jeff Ennenga	Telephone No.	3539		
E-Mail Address	Jeff.ennenga@clackamas.edu	Fax No.			
Chief Academic Office PTE Dean Signature		alu	Date	1/16/20	
	0	•			