



COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

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

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

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

TYPE OF PROGRAM AMENDMENT (Check ALL That Apply)		
<input type="checkbox"/> New Agreement	<input checked="" type="checkbox"/> Curriculum Revision	<input checked="" type="checkbox"/> Revision in Program Credits
		<i>Proposed Total Credits:</i> 102
<input type="checkbox"/> SUSPENSION of Program	<i>Reason for Suspension:</i>	
Suspension Effective Date:		

CURRICULUM AMENDMENT

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


CURRENT CURRICULUM 2016-17

[List entire curriculum as last approved]

PROPOSED CURRICULUM 2017-18

[List only course(s) to be amended]

Course Number	Course Title	Clock Hours	Credits	Course Number	Course Title	Clock Hours	Credits
Program Requirements – First Year							
Fall Term							
CS-161	Computer Science I	44	4				
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
WR-121	English Composition	44	4				
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	Technical Report Writing	44	4				
--	Social Processes elective		4				
Summer Term							
COMM-111	Public Speaking	44	4				
MTH-256	Differential Equations	44	4				
Program Requirements – Second Year							
Fall Term							
ENGR-221	Electrical Circuit Analysis	66	4				
MTH-254	Vector Calculus	55	5				
PH-211	General Physics with Calculus	70	5				
Winter Term							
ENGR-171	Digital Logic	66	4				
ENGR-222	Electrical Circuit Analysis II	66	4				
PH-212	General Physics with Calculus	70	5				
				CS-250	Discrete Structures	44	4
Spring Term							
ENGR-223	Electrical Circuit Analysis III	66	4				
PH-213	General Physics with Calculus	70	5				
--	Western Culture elective		4				
Social Processes Elective							
ANT-103; EC-201, 202, 230; HST-101, 102, 103; PS-201, 202, 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, 203, 204, 205, 250, 251, 253, 254, 255, 275; GEO-122, 208, 230; HST-101, 102, 103, 201, 202, 203; PHL-102, 215; PS-206; R-204							
<p>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</p>							
Cultural Diversity Elective							
ANT-230, 231, 232; ENG-210, 213, 252; GEO-110, 121, 230; R-101, 102, 103, 210							

Literature and the Arts Elective			
ART-101, 102, 103, 204, 205, 206, 211, 212, 213; DMC-194; ENG-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 203, 204, 205, 213, 250, 251, 252, 253, 254, 255, 260, 275; MUS-105, 205, 206			
Difference, Power, and Discrimination Elective			
HST-201, 202, 203; SOC-225			
Biological Science Elective			
ASC-200, 201, 202; BI-101, 102, 103, 204, 211, 212, 213, 234; ESR-171, 172, 173; Z-201, 202, 203			
Physical Education Elective			
HPE-295			
TOTAL CURRENT CREDITS:		98	TOTAL PROPOSED CREDITS: 102
College Contact	Calvin Hughes	Telephone No.	
E-Mail Address	Calvin.Hughes@oregonstate.edu	Fax No.	
Chief Academic Officer or CTE Dean Signature			Date 1/19/17

