



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: 2/9/16
---	---------------------

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

APPROVED Program Title <small>(For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)</small>	APPROVED CIP Code <small>(Include 7th & 8th digits used for OCCURS reporting.)</small>			APPROVED Recognition Award	Current Credits
	6-digit CIP	7th digit	8th digit		
AAS Title: Renewable Energy Technology	15.0303	I	*	<input checked="" type="checkbox"/> Associate of Applied Science (AAS) Degree	97
Option Title**				<input type="checkbox"/> OPTION to AAS Degree	
Certificate Title: <i>Within</i> AAS Degree? <input type="checkbox"/> Yes** <input type="checkbox"/> No				<input type="checkbox"/> Certificate of Completion	

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

TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

<input type="checkbox"/> New Program++	<input checked="" type="checkbox"/> Curriculum Revision	<input type="checkbox"/> Revision in Program Credits
<input type="checkbox"/> Title Change for Program		Proposed Total Credits: _____
Proposed AAS Title:	_____	
Proposed OPTION Title:	_____	
Proposed Certificate Title:	_____	
<input type="checkbox"/> SUSPENSION of Program	<i>Reason for Suspension:</i> _____	
Suspension Effective Date:	_____	

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

CURRICULUM AMENDMENT

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

CURRENT CURRICULUM 2014-15

[List entire curriculum as last approved]

PROPOSED CURRICULUM 2015-16

[List only course(s) to be amended]

Course Number	Course Title	Clock Hours	Credits	Course Number	Course Title	Clock Hours	Credits
First Term							
MFG-109	Computer Literacy for Technicians	33	3				
MFG-130	Basic Electricity I	66	3				
MTH-050	Technical Mathematics	44	3				
RET-200	Renewable Energy Systems	44	4				
RET-240	Alternative Fuel Systems	88	4				
Second Term							
EET-139	Principles of Troubleshooting	44	2				
MFG-107	Industrial Safety & First Aid	33	3				
MFG-131	Basic Electricity II: Motors & Controls	66	3				
MTH-080	Technical Mathematics II	44	3				
RET-209	Renewable Energy I: Energy Efficiency	66	3				
Third Term							
MET-170	Manufacturing Process	66	3				
RET-211	Renewable Energy II: System Fundamentals	66	3				
RET-280	Renewable Energy Technology/CWE	72	2				
WR-101	Communication Skills: Occupational Writing	33	3				
---	Human Relations requirement	33	3				
---	Renewable Energy Technology program elective	66	3	MFG-103	Remove 3 credits of electives and add MFG-103 in its place	66	3
Fourth Term							
EET-215	Electromechanical Systems I	44	2				
EET-239	Principles of Troubleshooting II	44	2				
HUM-180 or HUM-181 or HUM-182	Pathway to Sustainability	55	5		Remove HUM-180, HUM181 and HUM182. Keep GEO 100, GEO-110, GEO-130 and GIS-201	66-88	3-4
MFG-104	Print Reading	22	2				
RET-213	Renewable Energy III: Installation & Maintenance	66	3				
---	Renewable Energy Technology program elective	33-66	3				
Fifth Term							
MFG-123	Programmable Logic Controllers	66	3				
MFG-140	Principles of Fluid Power	66	3				
MFG-209	Programming & Automation for Manufacturing	66	3				
RET-215	Renewable Energy IV: Systems Design	66	3				
---	Renewable Energy Technology program elective	33-66	3				
Sixth Term							
MFG-133	Programmable Logic Controllers	66	3				
MFG-221	Materials Science	66	3				
RET-217	Renewable Energy Capstone	3	3				
RET-280	Renewable Energy Technology/CWE	72	2				
---	Renewable Energy Systems Technology program elective	66-136	6		Renewable Energy Systems Technology program elective	66	3
				WLD-150	Welding processes	88	4

Renewable Energy Technology Program Electives				
Any course with a CDT, EET, GIS, MFG, RCT, RET, SM or WLD prefix.			Any course with a CDT, EET, GIS, MET, MFG, RCT, RET, SM or WLD prefix.	
TOTAL CURRENT CREDITS:	97	TOTAL PROPOSED CREDITS:		96-97
College Contact	Mike Mattson	Telephone No.	503-594-3322	
E-Mail Address	mattsonm@clackamas.edu	Fax No.	503-655-5153	
Chief Academic Officer or CTE Dean Signature	<i>Cynthia Kusan</i>		Date	2/9/16