RENEWABLE ENERGY TECHNOLOGY AAS

Clackamas Community College

All ✸ ✚ notated courses complete the Career Pathway Certificate (CPC) built into the AAS (22/23 Catalog year)

COMPLETE THE FOLLOWING GENERAL ED REQUIREMENTS (13)

ENGLISH: Complete ONE of the following courses

WR-101: Communication Skills: Occupational Writing (3)		**OR**	WR-121: English Composition (4)	

MATH:

MTH-050: Technical Mathematics I (4) ✸	

HUMAN RELATIONS RELATED INSTRUCTION: Complete (3) credits

Please refer to page 82 of the catalog for a list of approved courses.	

PE/HEALTH/SAFETY RELATED INSTRUCTION:

MFG-107: Industrial Safety & First Aid (3) ✸	

COMPLETE THE FOLLOWING WELDING TECHNOLOGY CORE REQUIREMENTS (75-76)

IMT-230: Intro to Heating, Ventilation, & AC (3) **OR** MFG-103: Machining for Fabrication & Maintenance (3) ✚ **OR** WLD-150: Welding Processes (4)		
EET-139: Principles of Troubleshooting I ✸	(2)	
EET-215: Technical Mechanics	(3)	
EET-225: Mechatronics I	(2)	
EET-233: Programmable Logic Controllers I	(3)	
EET-234: Programmable Logic Controllers II	(3)	
EET-235: Mechatronics II	(2)	
IMT-104: Reading Schematics and Symbols ✸	(2)	
IMT-108: Rigging and Lifting	(2)	
IMT-120: Industrial Machinery I ✚	(3)	
IMT-220: Industrial Machinery II	(3)	
IMT-223: Instrumentation & Controls	(3)	
MFG-109: Computer Literacy for Technicians	(3)	
MFG-130: Basic Electricity I ✸	(3)	
MFG-131: Basic Electricity II	(3)	
MFG-132: Basic Electricity III	(3)	
MFG-140: Principles of Fluid Power ✚	(3)	
MFG-209: Programming & Automation for Manufacturing	(3)	
MFG-221: Materials Science	(3)	
MTH-080: Technical Mathematics II	(3)	
RET-200: Renewable Energy Systems ✸	(2)	
RET-209: Renewable Energy I: Energy Efficiency ✚	(3)	
RET-211: Renewable Energy II: System Fundamentals	(3)	
RET-213: Renewable Energy III: Installation & Maintenance	(3)	
RET-215: Renewable Energy IV: Systems Design	(3)	
RET-217: Renewable Energy Capstone Project	(3)	
RET-220: SCADA Fundamentals	(3)	
RET-240: Alternative Fuels	(4)	
RET-280: Renewable Energy/CWE (4) or HD-209: Job Search Skills (3)	(3/4)	

CDT ELECTIVES: COMPLETE (3) CREDITS: Any course with a CDT prefix not included in the program

✸ Total Credits for Energy Systems Maintenance Technician CPC: 22*

*6 credits of program electives required. Elective choices marked ✚

[Look at Potential Jobs](#)

Total Credits Required for AAS 98-101

Check out **Career Coach** to see the many different job outlooks for all the CCC degree and certificates.

*All Career Pathway Certificate credits apply to the AAS but can lead to an industry recognized credential or certificate before completing the AAS

CCC offers stackable credentials to an AAS degree. The **Career Pathway Certificates** complete the first step. There are also **One Year Certificates** imbedded into many AAS degrees that complete the next step before completing the AAS. Talk with your advisor for more info about all the certificate programs CCC offers.   *Revised 9/14/2022*