

**Secondary to Postsecondary Pathway for
Renewable Energy Technology**

Suggested High School Courses

9 th	Core Academic Courses*:	English I, Algebra I, Biology or Environmental Science, State History/Civics	Suggested Electives: Computer Applications
	Career Path Courses:	Computer Applications	
10 th	Core Academic Courses*:	English II, Geometry, Biology, US History, Foreign Language I	Suggested Electives: Electrical Wiring and Applications
	Career Path Courses:	Metal Fabrication	
11 th	Core Academic Courses*:	English III, Algebra II/ or other, Chemistry	Suggested Electives: Principles of Technology
	Career Path Courses:	Introduction to Renewable Energy	
12 th	Core Academic Courses*:	English IV, Trigonometry or other Math, Physics or other lab based science	Suggested Electives: Principles of Technology
	Career Path Courses:	Advanced Renewable Energy	


Secondary to Postsecondary Linkages & Contacts

Postsecondary Credit Options:

ENY 101 Introduction to Energy Technology; ENY 205 Green Building

Red Rocks Community College Department of High School Relations: For more information on postsecondary course options for high school students and for admission to RRCC, please contact, Ernie Navarette at 303-914-6320 or ernie.navarette@rrcc.edu.

* \$ = \$15-25,000; \$\$ = \$25-55,000; \$\$\$ = \$55-90,000; \$\$\$\$ = Above \$90,000

	<p>Pathway: Renewable Energy Technology</p>	<p>Plan of Study: Solar/Thermal Installation/Energy Auditing</p>
<p>Career Goal (O*Net Code): (Click the code to access education, skills, and employment outlook information)</p> <p>49-9098.00 Helpers—Installation, Maintenance, and Repair Workers</p> <p>13-1199.01 Energy Auditors</p> <p>13-1199.05 Sustainability Specialists</p> <p>47-4099.03 Weatherization Installers and Technicians</p> <p>47-1011.03 Solar Energy Installation Managers</p> <p>17-2199.11 Solar Energy Systems Engineers</p> <p>* - High Demand Career</p>		<p>Relevant Occupational Experience (Your Life Experiences may be worth College Credit!):</p> <p>CCCS Credit for Prior Learning Guide Contact Troy Wanek (troy.wanek@rrcc.edu) or Larry Snyder (larry.snyder@rrcc.edu) for inquiries concerning earning college credit for life experience in renewable energy technology.</p> <p>Colorado Labor Market Information</p>

Possible Pathways to your Career!

	Programs Available	Program Length (*Based on meeting Program Entrance Requirements)	Estimated Tuition	Career Options	Salary Range
Certificate Option(s)	Grid Tie Entry Level Advanced Photovoltaic Installation Solar Photovoltaic Solar Photovoltaic Designer Solar Thermal Entry Level Solar Thermal Installer Solar Thermal Designer Post EIC Degree Solar Photovoltaic Post HVA Degree Solar Thermal Energy Auditing Energy Efficiency Weatherization	20.5 credits 31.5 credits 30.5 credits 18.5 credits 26.5 credits 30.5 credits 22.5 credits 22.5 credits 23.5 credits 13 credits	\$2662 \$4074 \$3946 \$2406 \$3433 \$3946 \$2919 \$2919 \$3047 \$1700	Solar and Thermal Installer, Maintenance, and Repair Worker; Energy Auditor; Weatherization Installer and Technician; Solar Thermal Designer; Solar PV Designer; Solar Energy Systems Engineer	\$ - \$\$\$
Associate Degree(s)	AAS Solar Thermal Specialty AAS Solar Photovoltaic Specialty AAS Solar Photovoltaic Business Owner AAS Solar Thermal Business Owner	60 credits (4 sem)	\$7,700	Solar and Thermal Installer, Maintenance, and Repair Worker; Energy Auditor; Weatherization Installer and Technician; Solar Thermal	\$ - \$\$\$

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				Designer; Solar PV Designer; Solar Energy Systems Engineer; Solar or Thermal Installation Manager; Renewable Energy Business Owner; Energy Technology Instructor	
Articulation Opportunities to Advanced Degrees:					
Advanced Degree(s)	Electrical Engineering (renewable energy emphasis)	120+ credits or 8 or more semesters	Colorado School of Mines; CU Boulder; CSU www.collegeincolorado.org	Solar Energy Systems Engineer; Solar or Thermal Installation Manager; Renewable Energy Business Owner; Energy Technology Instructor; Electrical Engineer; Energy Engineers	\$ - \$\$\$\$
	Graduate Degree: Electrical Engineering (renewable energy emphasis)	Bachelor's Degree + 30 or more graduate level credits	www.collegeincolorado.org	Solar Energy Systems Engineer; Solar or Thermal Installation Manager; Renewable Energy Business Owner; Energy Technology Instructor/professor; Electrical Engineer; Energy Engineers	\$- \$\$\$\$
	College Tuition Comparison Guide				

Extended Learning Experiences

Support Structures:

Childcare facilities, Counseling Services, Tutoring Services, Academic Advising and Career Counseling

Financial Aid:

Federal Student Loans, Pell Grant, RRCC Foundation Grant

Professional Affiliations

North American Board of Certified Energy Practitioners (NABCEP)

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Practical Learning Experiences:

Solar and Thermal Installation Labs; Energy Auditing Labs; Internships, Apprenticeships

Red Rocks Community College is accredited by the Higher Learning Commission and a member of the North Central Association of Colleges and Schools.

Red Rocks Community College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs or activities. Please direct inquiries to : Bill Dial, Director of HR, Red Rocks Community College, 13300 W. 6th Ave., Lakewood, CO 80228

*** *This document is a guide only. It does not act as a legally binding contract.*

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Career & Technical Education is delivered through the Colorado Community College System www.cccs.edu