



Secondary to Postsecondary Pathway for Heating, Air-conditioning, Ventilation, and Refrigeration Mechanical Trades Plumbing Carpentry

			Suggested High School Courses	
	_{th} 6	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 Introduction to the Building Environment	
	11 th	Core Academic Courses*:	English III, Algebra II/ or other, Chemistry	Suggested Electives: Principles of Technology
		Career Path Courses:	Principles of Maintenance Operations, Safety, Health in the Workplace Environment	
2 th		Core Academic Courses*:	English IV, Trigonometry or other Math, Physics or other lab based science	Suggested Electives: Principles of Technology
	1,	Career Path Courses:	Applications in Maintenance Operations	

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.





ns, A/V Technology & Communications	Pathway: Renewable Energy Technology	Plan of Study: Solar/Thermal Installation/Energy Auditing
Career Goal (O*Net Code): (Click the code to access education, skills, and employment outlook information)		Relevant Occupational Experience (Your Life Experiences may be worth College Credit!):
Mechanics and I 47-2211.00 Shee 47-2152.02 Plum 47-4011.00 Plum 47-4011.00 Cons 47-2031.00 Carp 47-2031.01 Cons 47-2031.02 Roug	th Metal Workers abers abers, Pipefitters, and Steamfitters struction and Building Inspectors senters struction Carpenters	CCCS Credit for Prior Learning Guide Contact Larry Snyder (larry.snyder@rrcc.edu) for inquiries concerning earning college credit for life experience in HVAC, Mechanical Trades, Plumbing, or Carpentry. Colorado Labor Market Information
* - High Demand Ca	ıreer	

	Possible Pathways to your Career!					
	Programs Available	Program Length (*Based on meeting Program Entrance Requirements)	Estimated Tuition	Career Options	Salary Range	
	Level I Refrigeration	10.5	\$1,379	Service Technician,		
(s)	Level II Refrigeration	22.5	\$2919	Heating, Ventilation, Air		
on(s)	HVAC Fundamentals	14.5	\$1893	Conditioning Service		
Opti	Air Conditioning	34.5	\$4459	Technician , Air		
	Refrigeration	30.5	\$3946	Conditioning Technician,	\$ - \$\$\$	
ficate	HVAC Controls Tech	21.5	\$2791	Heating, Ventilation, Air		
- =	Forced-Air Heating	33.5	\$4330	Conditioning Mechanic,		
Cer	Hydronic Heating	37.5	\$4844	HVAC Installer; Plumber,		
	HVAC Energy Efficiency	21.5	\$2791	Journeyman Plumber,		

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





	Energy and HVAC Advanced Plumbing Basic Mechanical Skills Advanced Mechanical Skills Heating Specialties Residential Remodeling (carpentry) Advanced Remodeling (carpentry) Home Energy Efficiency (carpentry)	37.5 18 23 39 37 20.5 31.5 20.5	\$4844 \$2342 \$2983 \$5036 \$4780 \$2662 \$4074 \$2662	Drain Technician, Plumber Gasfitter, Plumbing and Heating Mechanic, Residential Plumber, Service Plumber, Commercial Plumber; Building Maintenance, Carpenter, Lead Carpenter, Assembler, Finish Carpenter, Construction Worker, Custom Stair Builder, Installer, Production Worker, Trim Carpenter, Concrete Carpenter, Building Inspector, Engineering Technician, Construction Inspector, Engineer, Associate Architect, Inspector, Plumbing Inspector, Building Code Administrator, Building Mechanical Engineer, Building Official	
Associate Degree(s)	Heating, Air Conditioning, Ventilation, and Refrigeration Air Conditioning Refrigeration Hydronic Heating Mechanical Trades	60.5-62.5 credits (4 sem)	Approximately \$7800	Service Technician, Heating, Ventilation, Air Conditioning Service Technician , Air Conditioning Technician, Heating, Ventilation, Air Conditioning Mechanic , HVAC Installer; Plumber, Journeyman Plumber, Drain Technician, Plumber Gasfitter, Plumbing and Heating Mechanic, Residential Plumber, Service Plumber, Commercial Plumber; Building Maintenance, Carpenter, Lead Carpenter, Assembler,	\$ - \$\$\$

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





Artice	ulation Opportunities to Advanced Degrees:			Finish Carpenter, Construction Worker, Custom Stair Builder, Installer, Production Worker, Trim Carpenter, Concrete Carpenter, Building Inspector, Engineering Technician, Construction Inspector, Engineer, Associate Architect, Inspector, Plumbing Inspector, Building Code Administrator, Building Mechanical Engineer, Building Official	
Advanced Degree(s)	Bachelor's Degree: Management/Business emphasis	120+ credits or 8 or more semesters	Regis University http://www.transfertoregis.org/co/rrcc/	HVAC/Plumbing Business Owner	\$ - \$\$\$\$
	Graduate Degree: N/A	Bachelor's Degree + 30 or more graduate level credits	www.collegeincolorado.org		\$- \$\$\$\$
	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				
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Professional Affiliations				
Practical Learning Experiences:				
State of the Art HVAC Technology Lab; 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.

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

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