
	<p><b>Pathway: Skilled Trades &amp; Technical Sciences – Construction/Maintenance &amp; Operation</b></p>	<p><b>Plan of Study: <u>Heating, Ventilation, Air Conditioning &amp; Refrigeration (HVAC-R)</u></b></p>
<p><b>Program: <u>Heating, Ventilation, Air Conditioning &amp; Refrigeration (HVAC-R)</u></b></p> <p><b>Career Goal (O*Net Code):</b> <a href="#">CIP 15.0501 to SOC Crosswalk</a>; <a href="#">O*Net Search for Careers Related to Heating, Ventilation, and Air Conditioning</a>.</p> <p><i>(Click below to access education, skills, and employment outlook information)</i></p> <p>49.9021.00 <a href="#">Heating, Air Conditioning, and Refrigeration Mechanics and Installers</a> 🌟</p> <p>49.9021.01 <a href="#">Heating and Air Conditioning Mechanics and Installers</a> 🌟🌿</p> <p>49.9021.02 <a href="#">Refrigeration Mechanics and Installers</a> 🌟🌿</p> <p>49.9099.01 <a href="#">Geothermal Technicians</a> 🌟🌿</p> <p>49.9071.00 <a href="#">Maintenance and Repair Workers, General</a> 🌟🌿</p> <p>47.2211.00 <a href="#">Sheet Metal Workers</a> 🌿</p> <p>🌟 - Bright Outlook    🌿 - Green</p>		<p><b>Relevant Occupational Experience</b></p> <p>(Your Life Experiences may be worth College Credit!):</p> <p><b><u>CCCS Credit for Prior Learning Guide</u></b></p> <p><b><u>FRCC Credit for Prior Learning</u></b></p> <ul style="list-style-type: none"> <li>• <a href="#">FRCC Standards for Awarding</a></li> <li>• <a href="#">Policies and Procedures</a></li> <li>• <a href="#">Transferability</a></li> </ul> <p><b><u>LMI Gateway Link to Related Occupations</u></b></p>

**Possible Pathways to your Career!**

	<b>Programs Available</b> 	<b>Program Length</b> <i>(*Based on meeting Program Entrance Requirements)</i>	<b>Estimated Tuition</b> <i>(*Based on Resident Tuition after COF)</i>	<b>Possible Career Options</b>	<b>Salary Range</b>
Certificate Option(s)	<a href="#">Commercial Refrigeration Certificate</a> <a href="#">Light Commercial Air Conditioning and Heating Certificate</a> <a href="#">Residential Air Conditioning and Heating Certificate</a>	28 credit hours 37 credit hours 35 credit hours	<a href="#">\$3,497.20</a> <a href="#">\$4,621.30</a> <a href="#">\$4,371.50</a>	<a href="#">Heating, Air Conditioning, and Refrigeration Mechanics and Installers, Heating and Air Conditioning Mechanics and Installers, Refrigeration Mechanics and Installers</a>	\$\$ - \$\$\$
Associate Degree(s)	<a href="#">Heating, Ventilation, and Air Conditioning (A.A.S)</a>	65 credit hours	<a href="#">\$8,118.50</a>	<a href="#">Heating, Air Conditioning, and Refrigeration Mechanics and Installers, Heating and Air Conditioning Mechanics and Installers, Refrigeration Mechanics and Installers</a>	\$\$ - \$\$\$
<b>Articulation Opportunities to Advanced Degrees:</b>					
Advanced Degree(s)	<a href="#">Transfer Agreement with Ferris State University</a>  Graduate degrees in fields like Engineering, Design, Architecture and Construction (Associate Degree + 60 for BA/BS Degree & Bachelor's Degree + 2-4 years in Graduate School for MA)		<a href="#">Ferris Tuition Information</a>  <a href="#">Colorado Tuition Information</a>	For more information about colleges that have these programs go to <a href="http://www.CollegeinColorado.org">www.CollegeinColorado.org</a>	\$\$\$-\$\$\$\$
	<a href="#">College Tuition Comparison Guide</a>				

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

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### Extended Learning Experiences

#### Student Services & Support Structures:

- [Academic Advising](#)
- [Academic Support Labs](#)
- [Admissions and Records](#)
- [Bookstores](#)
- [Career Counseling](#)
- [Crisis Counseling & Stress Management Services](#)
- [Disability Services](#)
- [English as a Second Language](#)
- [General Education Development \(GED\)](#)
- [Tutoring](#)
- [Libraries](#)
- [Student Email](#)
- [Student Employment Services](#)
- [Student Life](#)
- [Testing Center Services](#)
- [Veteran Services](#)

#### Financial Aid:

- [FAFSA](#)
- [Grants](#)
- [Work Study](#)
- [Loans](#)
- [Scholarships](#)

#### Professional Affiliations

- [Partnership for Air Conditioning, Heating, Refrigeration Accreditation \(PAHRA\)](#)
- [Environmental Protection Agency](#)
- [EPA Section 608 Technician Certification](#)
- [Air Conditioning, Heating, and Refrigeration Institute \(AHRI\)](#)

#### Practical Learning Experiences:

- [Internships](#)
- [Career Preparation](#)
- [Service Learning/Volunteering](#)
- [Student Experiences](#)

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Human Resources, 3645 West 112<sup>th</sup> Avenue, Westminster, CO 80031. (303) 404 - 5307

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**Physical & Sensory Requirements, Heating and Air Conditioning (HVAC-R)**

**Key:** N = Never O = Occasional: 1 – 33% of time F = Frequent: 34 – 75% of time C = Constant: 76 – 100% of time

PHYSICAL CAPABILITIES								SENSORY CAPABILITIES											
Activity	Frequency				Activity	Frequency				Activity	Frequency				Activity	Frequency			
	N	O	F	C		N	O	F	C		N	O	F	C		N	O	F	C
<b>Lift/Carry</b>					<b>Push/Pull</b>					<b>Walk</b>					<b>Able to see clearly at both near and far distances</b>				
10 lbs or less					15 lbs or less					<b>Sit</b>					<b>Able to identify and distinguish colors</b>				
11-20 lbs					16-30 lbs					<b>Stand</b>					<b>Able to judge distances and spatial relationships</b>				
21-50 lbs					31-50 lbs					<b>Fine motor manipulations</b>					<b>Able to communicate verbally and in writing</b>				
51-100 lbs					51-100 lbs					<b>Gripping</b>					<b>Able to distinguish between sounds such as telephone vs. fire alarms, tone of voice, varied decibels</b>				
100+ lbs										<b>Squat/Kneel</b>					<b>Able to perceive attributes of objects such as size, shape, temperature, texture through touch</b>				
<b>Drive</b>					<b>Computer</b>					<b>Bend</b>									
Manual					Data Entry					<b>Twist/Turn</b>									
Automatic					Use of mouse					<b>Crawl</b>									
										<b>Climb</b>									
										<b>Reach above chest</b>									
										<b>Reach outward</b>									

For more information on the Physical & Sensory Requirements for this Pathway, please contact:

**Disability Support Services**

- [Boulder Campus:](#) (303) 678 - 3922
- [Larimer Campus:](#) (970) 204 - 8112
- [Westminster Campus & Brighton Center:](#) (303) 404 - 5676

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