### Architecture and Construction: Construction: Air Conditioning, Heating, & Refrigeration Technology

**Career Pathway Plan of Study for ▶ Learners ▶ Parents ▶ Counselors ▶ Teachers/Faculty**

This Career Pathway Plan of Study (based on the Construction Pathway of the Architecture and Construction Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner’s educational and career goals. *This Plan of Study, used for learners at an educational institution, should be customized with course titles and appropriate high school graduation requirements as well as college entrance requirements.*

#### SAMPLE Occupations Relating to This Pathway

- Carpenter
- Code Official
- Construction Engineer
- Construction Foreman/Manager
- Construction Inspector
- Contractor
- Design Builder
- Electrician
- Electronic Systems Technician
- Equipment and Material
- General Contractor/Builder
- Heating, Ventilation, Air Conditioning and Refrigeration Mechanic
- Plumber
- Project Estimator
- Project Inspector
- Project Manager
- Roofer
- Safety Director
- Sheet Metal Worker
- Specialty Contractor
- Superintendent

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### EDUCATION LEVELS

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<tr>
<th>Grade</th>
<th>English/Language Arts</th>
<th>Math</th>
<th>Science</th>
<th>Social Studies/Sciences</th>
<th>Other Required Courses</th>
<th>Other Electives</th>
<th>Electives</th>
<th>Recommended Electives</th>
<th>Other Electives</th>
<th>Learner Activities</th>
<th>*Career and Technical Courses and/or Degree Major Courses for Construction Pathway: Air Conditioning, Heating, and Refrigeration Technology</th>
<th>SAMPLE Occupations Relating to This Pathway</th>
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<td>12</td>
<td>College Placement Assessments—Academic/Career Advisement Provided</td>
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<td>13</td>
<td>Oral/Interpersonal Communication</td>
<td>College Technical Mathematics 1A</td>
<td>Introduction to Sociology</td>
<td>Keyboarding; Information Resources</td>
<td>Air Conditioning Fundamentals; Basic Mechanical Fundamentals; Heating Systems; Electrical Controls &amp; Systems; HVAC Print Reading; Refrigeration Fundamentals; Principles of AC/DC</td>
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<td>14</td>
<td>Written Communication; Technical Reporting</td>
<td>Energy in Nature, Technology, and Society</td>
<td>Psychology of Human Relations</td>
<td>Sheet Metal Fabrication; Heating System Applications; Hydronic Heating; Refrigeration Applications; Electronic Energy Management; Control Circuit Applications; HVAC Electronic Troubleshooting and Repair (WBL); Heat Load Estimation</td>
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**Grantsburg High School**

- **Year 13**: Oral/Interpersonal Communication; College Technical Mathematics 1A; Written Communication; Technical Reporting
- **Year 14**: Energy in Nature, Technology, and Society; Psychology of Human Relations
- **Year 15**: Sheet Metal Fabrication; Heating System Applications; Hydronic Heating; Refrigeration Applications; Electronic Energy Management; Control Circuit Applications; HVAC Electronic Troubleshooting and Repair (WBL); Heat Load Estimation

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**Advanced Standing Option**

- **Transcripted Credit Option**
- **Master’s Required**

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**Credits may transfer to other institutions. Check with admissions advisors at institutions for specific course and/or credit transfers.**

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