The HVAC program of study explores the occupations and educational opportunities associated with installing, servicing, or repairing heating and air conditioning systems. This includes fabrication, assembly, installation, and repair of sheet metal products and equipment, such as ducts, control boxes, drainpipes, and furnace casings. This program of study may also include exploration into preparing cost estimates for certain construction projects involving heating and air conditioning and sheet metal.

HVAC is expected to increase 26% in Texas over the 2014–2024 decade.

**CAREERS**

**SALARIES**
- HVAC Service Technician, $70,000
- Heating, Air Conditioning and Refrigeration Mechanics, $41,808

**OPPORTUNITIES**
- Sheet Metal Worker
- Cost Estimator
- HVAC Technician
- HVAC Installer

**QUALIFICATIONS**
- 4 Year Degree
- 2 Year Degree
- Certification and HS Diploma
- On the Job Training
# 2020-2021

## HVAC Endorsement

**PROGRAM CORRELATED TO THE STATE STUDY OF HVAC**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Language Arts</th>
<th>Math</th>
<th>Science</th>
<th>Social Studies</th>
<th>Pathway Electives</th>
<th>Potential Certification Opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>9th</td>
<td>English 1</td>
<td>Algebra 1</td>
<td>Biology</td>
<td>World Geography Or World History</td>
<td>Construction Technology I (2)</td>
<td></td>
</tr>
<tr>
<td>10th</td>
<td>English 2</td>
<td>Geometry</td>
<td>Approved 2nd Year Science</td>
<td>World Geography Or World History</td>
<td>HVAC I (2)</td>
<td></td>
</tr>
<tr>
<td>11th</td>
<td>English 3</td>
<td>Approved 3rd Year Math</td>
<td>Approved 3rd Year Science</td>
<td>U.S. History</td>
<td>HVAC II (2)</td>
<td></td>
</tr>
<tr>
<td>12th</td>
<td>English 4 Or Approved 4th Year English</td>
<td>Approved 4th Year Math</td>
<td>Approved 4th Year Science</td>
<td>Government Economics</td>
<td>Practicum in Manufacturing (2)</td>
<td>NCCR HVAC Level I</td>
</tr>
</tbody>
</table>

### REQUIRED ELECTIVES:

* FINE ARTS
* FOREIGN LANGUAGE
* PHYSICAL EDUCATION

### DUAL CREDIT OFFERINGS:

* PRE-CALCULUS * SPCH 1315
* ARTS 1301 * ECON 2301
* ENGL 1301 * ENGL 1302
* ENGL 2332 * ENGL 2333
* GOVT 2305 * HIST 1302
* HIST 1301 * MATH 2413
* MATH 1314 * MATH 1316

### STUDENT ORGANIZATIONS:

![SkillsUSA](image)

![ASHRAE](image)

It is the policy of Mineola Independent School District not to discriminate on the basis of race, color, national origin, sex, or handicap in career and technology programs, services or activities.