Industrial Systems Technology is expected to increase 15% in Texas until 2022 based on growth and local opportunities.

Students pursuing specialized careers in the Industrial Systems Technology Pathway program will be introduced to a broad range of industrial maintenance-related careers with practical hands-on experience.

Students will learn pneumatics, mechanical drives, hydraulics, electrical instrumentation, rigging, boiler operation and more.

*Industrial Systems Technology is expected to increase 15% in Texas until 2022 based on growth and local opportunities.*

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**CAREERS**

**SALARIES**
- Industrial Engineer Technologist, $99,108 +
- Industrial Engineer $66,000 +
- Industrial Machinery Mechanic $47,812 +

**OPPORTUNITIES**
- Machinists
- Machinery Maintenance Worker
- Quality Assurance Engineer
- Industrial Production Engineer

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

## Industrial Systems Technology Endorsement

**PROGRAM CORRELATED TO THE STATE STUDY OF CONSTRUCTION MANAGEMENT AND INSPECTION**

<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</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>Introduction to Industrial Maintenance, Electric Technology I</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 I, Basic Fluid Power</td>
<td></td>
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<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>Welding Career Prep I</td>
<td>NCCR Industrial Maintenance Mechanic Level I Certified Production Technician</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**

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.