**AUTOMATION TECHNOLOGY**  
- Program of Study -

**Career Cluster:** Manufacturing  
**Career Pathway:** Production

This Academic Plan is based upon the state requirements needed for an Advanced Diploma. Academic course names may vary among school districts.

<table>
<thead>
<tr>
<th>Grade</th>
<th>1&lt;sup&gt;st&lt;/sup&gt; Course</th>
<th>2&lt;sup&gt;nd&lt;/sup&gt; Course</th>
<th>3&lt;sup&gt;rd&lt;/sup&gt; Course</th>
<th>4&lt;sup&gt;th&lt;/sup&gt; Course</th>
<th>5&lt;sup&gt;th&lt;/sup&gt; Course</th>
<th>6&lt;sup&gt;th&lt;/sup&gt; Course (CTE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9&lt;sup&gt;th&lt;/sup&gt; Grade</td>
<td>English I</td>
<td>Algebra I</td>
<td>Biology</td>
<td>Health / Computer Literacy</td>
<td>Physical Education</td>
<td>Automation Technology I</td>
</tr>
<tr>
<td>10&lt;sup&gt;th&lt;/sup&gt; Grade</td>
<td>English II</td>
<td>Geometry</td>
<td>Chemistry or Geoscience</td>
<td>World History</td>
<td>Physical Education</td>
<td>Automation Technology II</td>
</tr>
<tr>
<td>11&lt;sup&gt;th&lt;/sup&gt; Grade</td>
<td>English III</td>
<td>Algebra II</td>
<td>Science Course or Elective&lt;sup&gt;1&lt;/sup&gt;</td>
<td>US History</td>
<td>Foreign Language&lt;sup&gt;2&lt;/sup&gt; or Elective&lt;sup&gt;1&lt;/sup&gt;</td>
<td>Automation Technology III&lt;sup&gt;3&lt;/sup&gt;</td>
</tr>
<tr>
<td>12&lt;sup&gt;th&lt;/sup&gt; Grade</td>
<td>English IV</td>
<td>Senior Level Math Course</td>
<td>Elective&lt;sup&gt;1&lt;/sup&gt;</td>
<td>US Government</td>
<td>Foreign Language&lt;sup&gt;2&lt;/sup&gt; or Elective&lt;sup&gt;1&lt;/sup&gt;</td>
<td>Automation Technology Advanced Studies</td>
</tr>
</tbody>
</table>

1. Electives may include arts and humanities courses or other career and technical education courses that relate to the program of study.
2. Foreign Language courses are recommended if a student is planning on entering a university. (See individual university admission policies)
3. CTE Assessments will be administered during the completion level CTE course.

**Career and Technical Student Organizations**

- SkillsUSA

**Work-Based Learning**

- Job Shadowing / Internship / Work Experience / Career Days / Career Fairs / Field Trips / Guest Speakers

**CTE Assessments**

1) End of Program Technical Assessment for Automation Technology  
2) Workplace Readiness Skills Assessment (for Employability Skills Standards)

**Postsecondary Options**

<table>
<thead>
<tr>
<th>College of Southern Nevada / Great Basin College / Nevada State College / Truckee Meadows Community College / University of Nevada, Las Vegas / University of Nevada, Reno / Western Nevada College</th>
<th>State Articulation Agreements for CTE College Credit</th>
</tr>
</thead>
</table>

**Secondary Program Requirements**

Student must earn the state Certificate of Skill Attainment in Automation Technology.

**Postsecondary Credit Options**

<table>
<thead>
<tr>
<th>College of Southern Nevada</th>
<th>TBD</th>
<th>Truckee Meadows Community College</th>
<th>TBD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Great Basin College</td>
<td>TBD</td>
<td>Western Nevada College</td>
<td>TBD</td>
</tr>
</tbody>
</table>

**High Wage - High Skill - High Demand Careers**

- Calibration Technician / Automated Manufacturing Technician / Instrument Control Technician / Production Associate / Manager / Supervisor

**State Recognized Industry Certifications**

Refer to the Governor’s Office of Workforce Innovation’s [Nevada Eligible Industry Credentialing List](#)

---

The Nevada Department of Education does not discriminate on the basis of race, color, religion, national origin, sex, disability, sexual orientation, gender identity or expression, or age in its programs and activities and provides equal access to the Boy Scouts and other designated youth groups.  
For inquiries, contact the Equity Coordinator at (775) 687-9200.