AEROSPACE ENGINEERING
PROJECT LEAD THE WAY™ (PLTW)
- Program of Study -

Career Cluster: Science, Technology, Engineering & Mathematics
Career Pathway: Engineering and Technology

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>1st Course</th>
<th>2nd Course</th>
<th>3rd Course</th>
<th>4th Course</th>
<th>5th Course</th>
<th>6th Course (CTE)</th>
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</thead>
<tbody>
<tr>
<td>9th Grade</td>
<td>English I</td>
<td>Algebra I</td>
<td>Biology</td>
<td>Health /</td>
<td>Physical Education</td>
<td>PLTW-Introduction to</td>
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<td>Computer Literacy</td>
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<td>Engineering Design</td>
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<tr>
<td>10th Grade</td>
<td>English II</td>
<td>Geometry</td>
<td>Chemistry or Geoscience</td>
<td>World History</td>
<td>Physical Education</td>
<td>PLTW-Principles of</td>
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<td></td>
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<td></td>
<td>Engineering</td>
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<tr>
<td>11th Grade</td>
<td>English III</td>
<td>Algebra II</td>
<td>Science Course or Elective(^1)</td>
<td>US History</td>
<td>Foreign Language(^2) or Elective(^1)</td>
<td>PLTW-Aerospace Engineering(^3)</td>
</tr>
<tr>
<td>12th Grade</td>
<td>English IV</td>
<td>Senior Level Math Course</td>
<td>Elective(^1)</td>
<td>US Government</td>
<td>Foreign Language(^2) or Elective(^1)</td>
<td>PLTW-Engineering Design and Development</td>
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</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 Aerospace Engineering
2) Workplace Readiness Skills Assessment (for Employability Skills Standards)

Postsecondary Options
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

Secondary Program Requirements
Student must earn the state Certificate of Skill Attainment in Aerospace Engineering.

Postsecondary Credit Options
To Be Determined

State Articulation Agreements for CTE College Credit

High Wage - High Skill - High Demand Careers
Aerospace Engineer / Aeronautical Engineer / Project Engineer / Consultant / Designer / Drafter

State Recognized Industry Certifications
Refer to the Governor’s Office of Workforce Innovation’s Nevada Eligible Industry Credentialing List

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