

# PATHWAY: Industrial Robotics & Automation

## Career Path

Grade	English Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses	Career and Technical Courses for Manufacturing: Electronics
9	English 9	Geometry w/DA	Biology	World History	<ul style="list-style-type: none"> <li>Career Prep</li> <li>Beginning Kinesiology</li> </ul>	Intro to Manufacturing
10	English 10	Algebra I w/Prob	<ul style="list-style-type: none"> <li>Physical Science</li> <li>Environmental Science</li> <li>Chemistry</li> </ul>	US History I	Driver's Ed/Health	Digital Electronics
11	English 11	Algebra II w/Stats	<ul style="list-style-type: none"> <li>Environmental Science</li> <li>Chemistry</li> <li>AP Science</li> </ul>	US History II	Electives towards graduation	<ul style="list-style-type: none"> <li>Introductions to Robotics</li> <li>Robotics Applications</li> </ul>
12	English 12	Career Math	<ul style="list-style-type: none"> <li>Earth &amp; Space Science</li> <li>AP Physics</li> <li>Anatomy &amp; Physiology</li> </ul>	US Government Economics	Electives towards graduation	<ul style="list-style-type: none"> <li>Robotics Applications</li> <li>Senior Pathway</li> </ul>

## College Prep

Grade	English Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses	Career and Technical Courses for Manufacturing: Electronics
9	English 9 Adv	Geometry w/DA	Biology	World History	<ul style="list-style-type: none"> <li>Career Prep</li> <li>Beginning Kinesiology</li> </ul>	Intro to Manufacturing
10	English 10 Adv	Algebra I w/Prob	<ul style="list-style-type: none"> <li>Physical Science</li> <li>Environmental Science</li> <li>Chemistry</li> </ul>	US History I or DE US History	Driver's Ed/Health	Digital Electronics
11	English 11 Adv	Algebra II w/Stats	<ul style="list-style-type: none"> <li>Environmental Science</li> <li>Chemistry</li> <li>AP Science</li> </ul>	US History II or DE US History	Electives towards graduation	<ul style="list-style-type: none"> <li>Introductions to Robotics</li> <li>Robotics Applications</li> </ul>
12	English 12 Adv	Mathematical Modeling OR PreCalculus	<ul style="list-style-type: none"> <li>Earth &amp; Space Science</li> <li>AP Physics</li> <li>Anatomy &amp; Physiology</li> </ul>	US Government Economics	Electives towards graduation	<ul style="list-style-type: none"> <li>Robotics Applications</li> <li>Senior Pathway</li> </ul>

## Honors Track

Grade	English Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses	Career and Technical Courses for Manufacturing: Electronics
9	AP Prep 9	Honors Geometry	Biology	AP Prep World History	<ul style="list-style-type: none"> <li>Career Prep</li> <li>Beginning Kinesiology</li> </ul>	Intro to Manufacturing
10	AP Prep 10	Honors Algebra II w/Stats	<ul style="list-style-type: none"> <li>Physical Science</li> <li>Environmental Science</li> <li>Chemistry</li> </ul>	AP Prep US History I or DE US History	Driver's Ed/Health	Digital Electronics
11	AP English Lang	AP PreCalculus AND/OR AP Statistics	<ul style="list-style-type: none"> <li>Environmental Science</li> <li>Chemistry</li> <li>AP Science</li> </ul>	AP US History or DE US History	Electives towards graduation	<ul style="list-style-type: none"> <li>Introductions to Robotics</li> <li>Robotics Applications</li> </ul>
12	AP English Lit	AP Calculus AND/OR AP Statistics	<ul style="list-style-type: none"> <li>Earth &amp; Space Science</li> <li>AP Physics</li> <li>Anatomy &amp; Physiology</li> </ul>	AP US Government Economics	Electives towards graduation	<ul style="list-style-type: none"> <li>Robotics Applications</li> <li>Senior Pathway</li> </ul>