

# Rockingham County Schools & Rockingham Community College

## Pathway to Prosperity Plan

Career	Freshman	Sophomore	Junior	Senior	Year 5	Year 6
<b>Machinist</b>	Math I English I World History Earth Science PE TED Elective	Math II English II American History I Physical Science *Drafting I TED II Robotics Elective	Math III English III American History II Biology Advanced Studies *Drafting II Robotics II Elective	<b>(Fall)</b> English IV Physics Advanced Study Civics  <b>High School Diploma</b>  <b>(Spring)</b> Blue Print Reading Industrial Safety Machining Technology Intro to Metrology CNC Turning CNC Milling  <b>Certificate</b>	<b>(Fall)</b> Math 110 Humanities Elective Industrial Spec. Advanced CNC Turn  <b>(Spring)</b> Machining Tech II BP reading mech. Expository Writing Social Science Elective  <b>(Summer)</b> Machining III	<b>(Fall)</b> CAM: CNC Turning Intro to Solid Modeling Prof. Research & Reporting <i>Welding 112 or Work-base</i> <b>(Spring)</b> <i>Work-base learning</i> Adv. Machining Calculations Advanced CNC Milling 224 CAM: CNC Milling 232 Advanced Solid Modeling  <b>Associate's Degree</b>
<b>Welder</b>	Math I English I World History Earth Science PE AG Mechanics Elective	Math II English II American History I Physical Science Drafting I TED **AG Mechanics II Drafting II	<b>Fall</b> English III Biology WLD 112 (1 Credit) WLD 141 (1 Credit)  <b>Spring</b> Math III American History II WLD 115 (2 Credits)	<b>(Fall)</b> English IV Civics Elective WLD 121 (1 Credit)  <b>High School Diploma</b>  WLD 131  <b>Welding Certificate</b>		
<b>Automation Systems Operator /Electronics</b>	Math I English I World History Earth Science PE TED *AG Mechanics I Elective	Math II English II American History I Physical Science Drafting I Technological Design Robotics I **AG Mechanics II	Math III English III American History II <i>DC/AC Electricity</i>  <b>(Spring)</b> Biology Drafting II Robotics II <i>Motors &amp; Controls</i>	<b>(Fall)</b> English IV Civics Industrial Specs Introduction to PLC  <b>High School Diploma</b>  <b>(Spring)</b> Metalworking Mech. Industrial Sys. Math 110 ENG 111 <b>(Summer)</b> PLCApplications  <b>Certificate</b>	<b>(Fall)</b> Industrial Safety Residential Wiring Social Science Elective <b>(Spring)</b> Commercial Wiring NEC Calculations Data Communications	<b>(Fall)</b> CAD for Electronics Survey of Electronics Industrial Robots RCC Humanities <b>(Spring)</b> <i>Applications Project or Workbase learning I &amp; II</i> Prof. Research Intro to Business Hydraulics & Pneumatics  <b>Associate's Degree</b>

\*Students completing Drafting II will receive credit for RCC course DFT 119 and will count as a math substitute for 4<sup>th</sup> math if necessary.

\*\*Students completing AG mechanics II will receive credit for RCC course WLD 112

**High School Diploma**

Icons represent Hyperlinks: press *ctrl & click* for additional information

