



IGNITE NORTH ACADEMIC PLAN

Computer Numerical Control (CNC) Operator

Prepares students to monitor and operate CNC machines to cut metal and plastic parts for the manufacturing industry.

Recommended Pathway Progress								
Grade 9		Grade 10		Grade 11		Grade 12		Other Requirements
Courses	Credit	Courses	Credit	Courses	Credit	Courses	Credit	ACT Benchmarks Met
English	1	English	1	English	1	English	1	Pass Civics Test
Math	1	Math	1	Math	1	Manual Programming	1	Financial Literacy
Science	1	Science	1	Science	1	Blueprint Reading for Machinists	1	4 pathway courses MUST be completed
Social Studies	1	Social Studies	1	Social Studies	1	Intro to Conversational Programming	1	
PE & Health	1	Arts/Humanities	1	Fundamentals of Machine Tools- A	1	CAD/CAM/CNC	1	Bold courses are required
Foreign Language/ Elective	1	Foreign Language/ Elective	1	Fundamentals of Machine Tools- B	1	Machine Tool Co-op	1	<u>Underlined courses are prerequisite</u>
Information								
High School					After High School			
Career and Technical Student Organization  Dual Credit Opportunities 					High School Diploma or Equivalent Recommended Related Occupations: <ul style="list-style-type: none"> • Machinist and Tool and Die Maker • Industrial Machinery Mechanic • Boilermaker Median Pay \$47k- \$64k (Salary of Related Occupations)			