

IGNITE NORTH ACADEMIC PLAN

MECHANICAL DESIGNER

Prepares students to work with engineers and clients to assess needs and use CAD software to plan and develop models.

Recommended Pathway Progress								
Grade 9		Grade 10		Grade 11		Grade 12		Other Requirements
Courses	Credit	Courses	Credit	Courses	Credit	Courses	Credit	ACT Benchmarks Met Pass Civics Test Financial Literacy
English	1	English	1	English	1	English	1	
Math	1	Math	1	Math	1	Parametric Modeling	1	
Science	1	Science	1	Science	1	Mechanical Design	1	4 pathway courses MUST be completed Bold courses are required
Social Studies	1	Social Studies	1	Social Studies	1	CAD Co-op	1	
PE & Health	1	Arts/Humanities	1	<u>Intro to Computer Aided Drafting</u>	1	Free Elective	1	
Foreign Language/ Elective	1	Foreign Language/ Elective	1	Engineering Graphics	1	Free Elective	1	<u>Underlined courses are prerequisite</u>
Information								
High School					After High School			
Career and Technical Student Organization 					Associate's Degree-Bachelor's Degree Recommended Related Occupations: • Mechanical Engineering Technologist • Drafters • Mechanical Engineer Median Pay \$47k- \$95k (Salary of Related Occupations)			