

IGNITE SOUTH ACADEMIC PLAN

Industrial Maintenance Technology Career Pathway

Electrical Technician CIP 47.0303.02

A student must have 6 courses each semester

Graduation Requirements							
Total: 22							
Grade 9		Grade 10		Grade 11		Grade 12	
<i>Required Courses</i>		<i>Required Courses</i>		<i>Required Courses</i>		<i>Required Courses</i>	
Courses	Credit	Courses	Credit	Courses	Credit	Courses	Credit
Eng I or Hon Eng I	1	Eng II or Hon Eng II	1	Eng III, AP Language Composition or Dual Credit	1	Eng IV, AP Eng, Eng 101/102, or ENG-Based College Class	1
<u>Alg I</u> , Honors Algebra I, Geometry or Honors Geometry	1	<u>Geometry or Honors Geometry</u> or Algebra II	1	Math Course Suggested: Algebra II or Honors Algebra II or Pre-Cal	1	Math Course Dual Credit, Financial Literacy, Medical Math, or Other	1
Science Foundations/ Hon Science Foundations	1	Biology or AP Biology	1	Chemistry, Physics or Conceptual Science	1	10 Hours of Service Learning Meet ACT Benchmarks Pass Civics Test	
Integrated Social Studies or AP Human Government	1	Western (World) Civilization or AP European History	1	U.S. History or AP U.S History	1		
PE 1 (AFROTC)	1/2						
Health (AFROTC Online)	1/2						
<i>Students are required to earn 1 credit of Humanities before graduation. Humanities can be 1 credit of band, art, music, drama, or humanities course.</i>							
<i>** Pre-college curriculum recommends 2 consecutive years of a foreign language be taken before graduation. This is not a MSHS Graduation Requirement.</i>							
<i>** To Co-op when you are a senior. (Must have earned 4 credits in a pathway or earned 2 credits and be enrolled in a 3rd class in your pathway + co-op.) See Pathway handout.</i>							
Pathway Courses (currently offered in bold)							
470322 Industrial Maintenance Elec. Principles (1 credit)		499925 Basic Troubleshooting (0.5 credit)		470321 Fluid Power (1 credit)		470351 Robotics and Auto. (For Maint.) (1 credit)	
470348 Industrial Maintenance Elec. Motor Controls (1 credit)		470301 Shop Management (0.5 credit)		470328 Welding for Maintenance (1 credit)		470308 Internship (Ind. Maint). or 470305 Co-Op (1 credit)	
470330 Industrial Maintenance of PLC's (1 credit)		499920 Basic Blueprint Reading (0.5 credit)		470318 Maintaining Industrial Equipment (1 credit)		332001 Introduction to 3D Printing Technology (1 credit)	
210221 Engineering I (1 credit)							

Possible Occupations

Electrical Technician
 Maintenance Technician
 Fire Alarm Service Technician

Automation Maintenance Technician
 Electrical Wiring Technician
 Beverage Maintenance Technician