

## IGNITE SOUTH CAREER AND TECHNICAL EDUCATION COURSES

### BUSINESS AND MARKETING

Career Pathway: Business Marketing		
Must Complete 3 Credits		
Pathway	Courses	Test
<b>Management &amp; Entrepreneurship</b>	Digital Literacy Bus and Mktng Essential Microsoft Office Personal Fin/Financial Lit	End of Program Assessment

**080719 Personal Finance**

*Counts as a Math Course*  
Suggest Grade Level: 12  
Credit: 1

**060111 Business and Marketing Essentials**

Suggested Grade Level: 9-12  
Credit: 1

**0606109 Ethical Leadership**

Suggested Grade Level: 11-12  
Credit: 1

**08030310 Principles of Entrepreneurship**

Suggested Grade Level: 10-12  
Credit: 1

### DIESEL PATHWAY

Career Pathway: Business Marketing		
Must Complete 3 Credits		
Pathway	Courses	Test
<b>Diesel</b>	Insp Maint & Minor Repair A Insp Maint & Minor Repair B Insp Maint & Minor Repair C Insp Maint & Minor Repair D	End of Program Assessment

**470450 Insp Maint & Minor Repair A**

Suggested Grade Level: 10 - 12  
Credit: 1

**470451 Insp Maint & Minor Repair B**

Suggested Grade Level: 10 - 12  
Credit: 1

**470452 Insp Maint & Minor Repair C**

Suggested Grade Level: 11-12  
Credit: 1

**470453 Insp Maint & Minor Repair D**

Suggested Grade Level: 11-12  
Credit: 1

### ENGINEERING PATHWAY

Career Pathway: Automation Engineering		
Must Complete 3 Credits		
Pathway	Courses	Test
<b>Automation Engineering</b>	Fund of Engineering Design Fund of Engineering Design II Intro to 3-D Printing Technology Cybersecurity AP Computer Science Principles Manufacturing Engineering	End of Program Assessment

**210221 Fund of Engineering Design**

Suggested Grade Level: 9-10  
Credit 1

**210222 Fund of Engineering Design II-**

Suggested Grade level 9- 10  
Credit: 1

**332001 – Intro to 3D Printing Technology**

Suggested Grade level 10-11  
Credit: 1

**210225 Manufacturing Engineering**

Suggested Grade level 10-12;  
Prerequisite: Engineering I/II; Credit: 1

**110230 - Cybersecurity**

Suggested Grade Level: 11-12  
Prerequisite; Teacher Approval  
Credit: .5

**110711 A. P. Computer Science Principles**

Prerequisite: Algebra 1  
Credit: 1

### CULINARY AND FOOD SERVICES

Career Pathway: Family and Consumer Science		
Must Complete – 3 Credits		
Pathway	Courses	Test
<b>Culinary</b>	Food and Nutrition - 1 <sup>st</sup> Adv Food and Nutrition Culinary Arts I Culinary Arts II	Servsafe Certification or End of Program Assessment

**200441 Food and Nutrition**

Suggested Grade Level: 9-12  
Prerequisite: None  
Credit: 1

**200442 Adv Foods & Nutrition**

Suggested Grade Level: 10-12  
 Prerequisite: Food and Nutrition  
 Credit: 1

**200411 Culinary Arts I**

Suggested Grade level 11-12  
 Prerequisite: Nutritional and Food Science  
 Credit: 1

**200412 Culinary Arts II**

Suggested Grade level 11-12  
 Prerequisite: Culinary Skills  
 Credit: 1

**ALLIED HEALTH**

<b>Career Pathway: Allied Health</b>		
<b>Must Complete 3 Credits</b>		
<b>Pathway</b>	<b>Courses</b>	<b>Test</b>
<b>Allied Health</b>	Princ of Health Sci – 1st Emergency Procedures Medical Terminology Allied Health Core Skills Body Structures and Functions Medical Math (12 <sup>th</sup> )	End of Program Assessment

**170111 Principles of Health Science**

Suggested Grade Level: 9-10  
 Prerequisite: None  
 Credit: 1

**170501 Allied Health Core Skills**

Suggested Grade Level: 10-12  
 Credit: 1

**170141 Emergency Procedures**

Suggested Grade Level: 10-11  
 Prerequisite: Principles of Bio-Medical Science  
 Credit: .5

**170131 Medical Terminology**

Suggested Grade Level: 10-11  
 Credit: .5

**170301 Essential Sports Medicine**

Suggested Grade Level: 11--12  
 Credit: 1

**170167 Body Structures and Functions**

Suggested Grade Level: 11--12  
 Credit: 1

**170169 Medical Math**

*Counts as a 4<sup>th</sup> Math Class*  
 Suggested Grade Level: 12  
 Credit: 1

**INDUSTRIAL MAINTENANCE PATHWAY**

<b>Career Pathway: Electrical Technician</b>		
<b>Must Complete 3 Credits</b>		
<b>Pathway</b>	<b>Courses</b>	<b>Test</b>
<b>Diesel</b>	Ind Maintenance Electrical Prin Ind Maintenance of PCLs Ind Maint Elec Motor Control	End of Program Assessment

**470322 Indust Maint Electrical Principles**

Suggested Grade Level: 10 - 12  
 Credit: 1

**470330 Industrial Main of PCLs**

Suggested Grade Level: 10 - 12  
 Credit: 1

**470348 Ind Maint Elec Motor Control**

Suggested Grade Level: 11-12  
 Credit: 1

**WELDING PATHWAY**

<b>Career Pathway: Welding Entry Level</b>		
<b>Must Complete 3 Credits</b>		
<b>Pathway</b>	<b>Courses</b>	<b>Test</b>
<b>Welding</b>	Shielded Metal Arch Welding SMAW Groove Welds Cutting Processes Blue Print Reading	End of Program Assessment

**480521 Shielded Metal Arc Welding**

Suggested Grade Level: 10-12  
 Credit: 1

**480501 Cutting Processes**

Suggested Grade Level: 10 - 12  
 Credit: 1

**480505 Blue Print Reading for Welding**

Suggested Grade Level: 10 - 12  
 Credit: 1

**480528 SMAW Groove Welds**

Suggested Grade Level: 11-12  
 Credit: 1

## **CAREER EDUCATION**

*Must be completing 3<sup>rd</sup> Credit of Career Pathway and must have a job with appropriate paperwork completed.*

**060107 Business Ed Co-op**

**200409 Culinary Arts Co-op**

**210331 Engineering & Tech Internship**

**170550 – Internship: Allied Health**

Suggested Grade Level: 12; Prerequisite: Career Pathway Implementation/Completion and Health Insurance required; Credit: 1 or 2