Jump Start 2.0 Associate of Applied Science: Industrial Maintenance Technology

Postsecondary Partner: River Parishes Community College

Overview

The Industrial Maintenance Technology program is a 60-credit hour degree program that provides specialized classroom instruction and practical shop experience to prepare students for employment in a variety of jobs in the industrial maintenance field. The Industrial Maintenance Technology program prepares individuals to install, repair, and maintain industrial machinery and equipment such as pumps, motors, pneumatic and hydraulic systems, and production machinery. It includes instruction in testing, adjusting, and repairing pneumatic and hydraulic systems, attaching supplemental equipment such as hoses, valves, gates, mechanical, electrical, and electronic control devices. The program also includes instruction in handling equipment, pipefitting, welding, metal fabrication, and millwright.

Capstone Credentials

Regional (Emerging)	Basic	Advanced	Fast Forward Advanced Plus
	- Certificate of Technical Studies: Industrial Maintenance Tech	- Technical Diploma: Industrial Maintenance Tech-General Concentration or Pipefitter Concentration	- Associate of Applied Science: Industrial Maintenance Tech-General Concentration or Pipefitter Concentration

**Core Academic Course*
***Jump Start CTE Course*

Grade 9	
Semester 1	**Semester 2**
*Business English 120336	*English I 120331
*Math Essentials 160351	*Algebra I 160321
*Civics 220501/220504	*Environmental Science 150310 or Physical Science 150802
*Physical Education I 190105	*½ Physical Education II 190106 ½ Health Education 190500

Grade 10	
Semester 1	**Semester 2**
*English II 120332	* Technical Writing 120350
*Transition to College Mathematics 165040 or Algebra II 160322	* Financial Literacy 160345
*Biology I 150301	*U.S. History 220403
**General Technology Education 110010	**Quest for Success 080411

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		**Semester 2**	
Postsecondary Course	**LDOE Course/Code**	**Postsecondary Course**	**LDOE Course/Code**
**Core Industry Safety CORE 1003	**DE NCCER Core 311720	*English Composition I ENGL 1010	*English IV: DE-CENL 1013 English Composition I 120606
**Blueprint Reading I IMMT 1120	**DE Design, Blueprint Reading and Codes 310622	**Plant Equipment PTEC 1630	**DE Process Technology I: Equipment 110922
**Material Handling/Rigging IMMT 1143	**DE NCCER Rigging I 313731	**Plant Equipment Lab PTEC 1631	**TBD
**Millwright I MWRT 1310	**DE NCCER Millwright Level 1 313714	**Intro to Welding IMMT 1123	**DE Welding Technology 110230
*College Algebra MATH 1100	*Algebra III: DE-CMAT 1213 College Algebra 160500	**Applied Math WELD 1000	**DE Technical Math 165010
		**Basic Electricity IMMT 1142	**DE Basic Electricity I 30400
		**Techniques of Speech SPCH 1200	**DE Speech I 051101

Grade 12			
Semester 1		**Semester 2**	
Postsecondary Course	**LDOE Course/Code**	**Postsecondary Course**	**LDOE Course/Code**
**Blueprint Reading II IMMT 1122	**TBD	**Concentration: General Technician**	
**Rigging, Application, Equipment, and Devices-Millwrights MWRT 1315	**TBD	**Introductory Machining IMMT 2103	**DE Intro to Fab, P-Tech, Machining 110266
Intro to Computer Technology CSCI 1010	DE Intro to Computer Applications 040401	**Hydraulic/Pneumatic Systems IMMT 2113	**DE Pneumatic/Hydraulic Power Systems 890715
Problem Solving & Teamwork IMTT 1163	TBD	**Pumps, Pipefitting, & Piping Systems IMMT 2102	**TBD
*Physical Science PHSC 1010/Lab PHSC 1010L or Physics PHYS 2010/Lab PHYS 2010L	*Physical Science: DE-CPHY 1023 Physical Science I 150915 OR Physics: DE – CPHY 2114 Physics I (Lecture and Lab) 150727	**Machine Maintenance & Installation IMMT 2133	**DE Industrial Machines Shop I 311900
Introduction to Psychology PYSC 2010	Psychology: DE-Introduction to Psychology 225011	**Concentration: Pipefitting Apprentice**	

		**Field Measuring, Sketching and Layout PIPE 1013	**TBD
		**Pipe Fabrication I PIPE 1223	**TBD
		**Pipe Fabrication II PIPE 1233	**TBD
		**Installation PIPE 1303	**TBD

This pathway framework is an outline of how the approved courses can be implemented. Schools may opt to rearrange the order of course sequencing in order to meet local scheduling requirements. Additionally, Fast Forward pathways are dynamic and the Jump Start Review Panel will consider course equivalents on an as needed basis.