



## Pathway Breakdown By Semester

FALL	SPRING	SUMMER	FALL
COURSE	COURSE	COURSE	COURSE
BPR 111 – Blueprint Reading	ELC 112 – DC/AC Electricity	AHR 120 – HVACR Maintenance	WLD 117 – Industrial SMAW
WLD 112 – Basic Welding Processes	ELC 128 – Introduction to PLC	BPR 115 – Electric/Fluid Power Diagrams	ISC 110 – Workplace Safety
MEC 111 – Machine Processes I	COM 231 – Public Speaking	HYD 110 – Hydraulics/Pneumatics I	HUM 110 – Technology & Society
MNT 110 – Introduction to Maintenance Procedures	MNT 111 – Maintenance Practice	WLD 121 – GMAW (MIG) FCAW/Plate	HIS 131 – American History I
CIS 111 – Basic PC Literacy			ACA 122 – College Transfer Success
11 Credit Hours	14 Credit Hours	11 Credit Hours	8 Credit Hours
Earned 44 Credit Hour Diploma			

# INDUSTRIAL SYSTEMS TECHNOLOGY WELDING PATHWAY



## Pathway Overview

- Designed to prepare individuals to safely service, maintain, repair, and install equipment
- Instruction includes theory and skill training needed for inspecting, testing, troubleshooting, and diagnosing industrial systems
- Students will learn technical skills in blueprint reading, mechanical systems maintenance, electricity, hydraulics/pneumatics, welding, machining or fabrication, as well as various diagnostic and repair procedures
- Upon completion of this curriculum, graduates will be able to individually, or with a team, safely install, inspect, diagnose, repair, and maintain industrial process and support equipment
- Credits earned in this program may be transferred toward an Associate in Applied Science Degree in Industrial Systems Technology provided the student meets the entrance requirements for the degree program

Course availability and scheduling is subject to change. Please contact the Career and College Advisor at your assigned high school.