

**GENERAL TECHNOLOGY
GENERAL AND PIPE WELDING PATHWAY
2024-25 DEGREE PLAN
Associate of Applied Science: 72 Credits**

REQUIRED ACADEMIC CORE		
	TECH 12074 Technical Success Strategies	4
	TECH 11163 Workplace Writing (or higher)	3
	MATH 10103 Technical Math (or higher)	3
	CPSI 10003 Microcomputer Applications	3
	Choose 1: ECON/HIST/PLSC/PSYC/SOCI/SPAN	3
Academic Core Requirements		16

GENERAL AND PIPE WELDING REQUIREMENTS		
	TECH 12064 Technical Fundamentals	4
	WELD 23464 Welding I – SMAW I	4
	WELD 23564 Welding II – SMAW II	4
	WELD 23667 Welding III – MIG (GMAW)	7
	WELD 23767 Welding IV – TIG (GTAW)	7
	WELD 22064 Pipe Welding-FCAW	4
	WELD 21164 Pipe Welding-GMAW	4
	WELD 24064 Pipe Welding-GTAW-Low Alloy and Stainless Steel	4
	WELD 23064 Pipe Welding-GTAW-Carbon Steel	4
	WELD 21067 Pipe Welding-SMAW	7
	WELD 22167 Pipe Welding-SMAW-Stainless Steel	7
Industrial Maintenance Requirements		56

Certificate of Proficiency: SMAW Welding		
	TECH 12064 Technical Fundamentals	4
	WELD 23464 Welding I – SMAW I	4
	WELD 23564 Welding II – SMAW II	4

Certificate of Proficiency: TIG (GTAW) Welding		
	TECH 12064 Technical Fundamentals	4
	WELD 23767 Welding IV – TIG (GTAW)	7

Certificate of Proficiency: SMAW Pipe Welding		
	WELD 21067 Pipe Welding--SMAW	7

Certificate of Proficiency: GMAW/FCAW Pipe Welding		
	WELD 22064 Pipe Welding-FCAW	4
	WELD 21164 Pipe Welding-GMAW	4

Technical Certificate: Welding Technology		
	<i>TECH 11163 Workplace Writing*</i>	3
	<i>MATH 10103 Technical Math**</i>	3
	TECH 12074 Technical Success Strategies	4
	TECH 12064 Technical Fundamentals	4
	WELD 23464 Welding I – SMAW I	4
	WELD 23564 Welding II – SMAW II	4
	WELD 23667 Welding III – MIG (GMAW)	7
	WELD 23767 Welding IV – TIG (GTAW)	7

Technical Certificate: Pipe Welding Technology		
	<i>TECH 11163 Workplace Writing*</i>	3
	<i>MATH 10103 Technical Math**</i>	3
	TECH 12074 Technical Success Strategies	4
	WELD 22064 Pipe Welding-FCAW	4
	WELD 21164 Pipe Welding-GMAW	4
	WELD 24064 Pipe Welding-GTAW-Low Alloy and Stainless Steel	4
	WELD 23064 Pipe Welding-GTAW-Carbon Steel	4
	WELD 21067 Pipe Welding-SMAW	7
	WELD 22167 Pipe Welding-SMAW-Stainless Steel	7

Certificate of Proficiency: MIG (GMAW) Welding		
	TECH 12064 Technical Fundamentals	4
	WELD 23667 Welding III – MIG (GMAW)	7

Certificate of Proficiency: GTAW Pipe Welding		
	WELD 24064 Pipe Welding-GTAW-Low Alloy and Stainless Steel	4
	WELD 23064 Pipe Welding-GTAW-Carbon Steel	4

Certificate of Proficiency: SMAW Stainless Steel Pipe Welding		
	WELD 22167 Pipe Welding-SMAW-Stainless Steel	7