

**• INDUSTRIAL MAINTENANCE TECHNOLOGY
WELDING TECHNOLOGY CONCENTRATION •
Associate in Applied Science Degree**

LENGTH: Six-Semester (Two-Year) Program

PURPOSE: The Associate in Applied Science degree in Welding Technology is an occupational degree, which introduces the principles of preventive, predictive, and corrective maintenance. Students will learn to perform troubleshooting and analysis on machinery used in various facilities and apply sound maintenance practices in all aspects of their work.

AREA I WRITTEN COMPOSITION

ENG 101..... English Composition I..... 3

AREA II HUMANITIES AND FINE ARTS

ART 100 or MUS 101 Art Appreciation or Music Appreciation 3
SPH 107 Fundamentals of Public Speaking 3

AREA III NATURAL SCIENCES AND MATHEMATICS

Natural Science Elective 4
CHOOSE TWO OF THE FOLLOWING COURSES: 6
MTH116 or more advanced..... Mathematical Applications or more advanced
BUS150 Business Math
CIS 146..... Microcomputer Applications

AREA IV HISTORY, SOCIAL, AND BEHAVIORAL SCIENCES

Elective History, Social, or Behavioral Science Elective 3

AREA V PRE-PROFESSIONAL, MAJOR, AND ELECTIVE COURSES

IET 111..... DC Fundamentals 3
IET143..... Principles of Electricity 3
WDT108..... Shielded Metal Arc Fillet/OFC 3
WDT122..... Shielded Metal Arc Fillet/OFC Lab 3
WDT109..... Shielded Metal Arc Fillet/PAC/CAC 3
WDT123..... Shielded Metal Arc Fillet/PAC/CAC Lab 3
WDT120..... Shielded Metal Arc Welding Groove 3
WDT125..... Shielded Metal Arc Welding Groove Lab 3
WDT119..... Gas Metal Arc/Flux Core Arc Welding 3
WDT124..... Gas Metal Arc/Flux Core Arc Welding Lab 3
WDT115..... GTAW Carbon Pipe Theory 3
WDT155..... GTAW Carbon Pipe Theory Lab 3
WDT217..... SMAW Carbon Pipe 3
WDT257..... SMAW Carbon Pipe Lab 3
WDT116..... GTAW Stainless Pipe 3
WDT156..... GTAW Stainless Pipe Lab 3
WDT110..... Industrial Blueprint Reading 3
WKO107 Work Place Skills Preparation 1

Total Hours 74

This is a career program designed for students to go directly into the labor market upon completion. Although some of the courses in this program will transfer to four-year institutions, this program is not designed to be a transfer program of study therefore it is not subject to the terms and conditions of STARS.

CAREER TECHNICAL

• WELDING TECHNOLOGY •
Training Certificate

DEGREE: Training Certificate

LENGTH: Three Semesters

PURPOSE: This program is designed to provide the student an opportunity to acquire the skills, knowledge and understanding needed to enter the occupation as an entry-level welder.

ADMISSION: Admission to this training certificate program is open to all who declare this major.

WDT108.....	Shielded Metal Arc Fillet/OFC	3
WDT109.....	Shielded Metal Arc Fillet/PAC/CAC	3
WDT119.....	Gas Metal Arc/Flux Core Arc Welding	3
WDT120.....	Shielded Metal Arc Welding Groove	3
WDT122.....	Shielded Metal Arc Fillet/OFC Lab.....	3
WDT123.....	Shielded Metal Arc Fillet/PAC/CAC Lab.....	3
WDT124.....	Gas Metal Arc/Flux Core Arc Weld Lab	3
WDT125.....	Shielded Metal Arc Welding Groove Lab.....	3
WKO107	Workplace Skills	1
Total Hours		25

This is a career program designed for students to go directly into the labor market upon completion. This program is not designed to be a transfer program of study therefore it is not subject to the terms and conditions of STARS.

CAREER TECHNICAL