

WELDING TECHNOLOGY CONCENTRATION

INDUSTRIAL ENGINEERING TECHNOLOGY

Associate in Applied Science Degree

LENGTH: Six Semesters

PURPOSE: The Associate in Applied Science degree in Welding Technology is designed to prepare individuals for employment in the field of welding. The program is competency based that includes both theory and hands on practical application based instruction. Instruction is provided in various processes and techniques of welding and cutting different types of materials.

AREA I WRITTEN COMPOSITION 3 SH

ENG 101..... English Composition I 3

AREA II HUMANITIES AND FINE ARTS 6 SH

Humanities Elective..... ART 100, MUS 101, PHL 200, PHL 206, REL 151, or REL 152..... 3

SPH 107..... Fundamentals of Public Speaking 3

AREA III NATURAL SCIENCES AND MATHEMATICS 9-10 SH

MTH 116 or MTH 100 Mathematical Applications or Intermediate College Algebra 3

CIS 146..... Microcomputer Applications 3

Elective MTH, SCI, CIS 130 or CIS 147..... 3-4

AREA IV HISTORY, SOCIAL, AND BEHAVIORAL SCIENCES 3 SH

Elective ANT, ECO, GEO, HIS, POL, PSY, or SOC..... 3

AREA V PRE-PROFESSIONAL, MAJOR, AND ELECTIVE COURSES 46 SH

IET 114 Basic Electricity..... 3

INT 117 Principles of Industrial Mechanics 3

WDT 108 Shielded Metal Arc Fillet/OFC..... 3

WDT 122 Shielded Metal Arc Fillet/OFC Lab 3

WDT 109 Shielded Metal Arc Fillet/PAC/CAC..... 3

WDT 123 Shielded Metal Arc Fillet/PAC/CAC Lab..... 3

WDT 120 Shielded Metal Arc Welding Groove..... 3

WDT 119 Gas Metal Arc/Flux Cored Arc Welding..... 3

WDT 124 Gas Metal Arc/Flux Cored Arc Welding Lab..... 3

WDT 115 GTAW Carbon Pipe 3

WDT 217 SMAW Carbon Pipe 3

WDT 116 GTAW Stainless Pipe..... 3

WDT Electives..... WDT Electives (see advisor) 6

WKO 107 Work Place Skills Preparation 1

WKO 110 NCCER Core..... 3

Total Hours 67-68 SH

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.