

Name _____

ID # _____

2018-2019 WELDING TECHNOLOGY (WLT)
Associate of Applied Science Degree
Education Plan

Grades of "C" or better are required in all "Core Curriculum" and "Program Requirements" courses.

Placement Classes

English (COM)

095 097 101 110 TRANSFER

Mathematics (MAT)

051 071 115 TRANSFER

Reading (COM)

050 070 N/A

CORE CURRICULUM

| Grade | Semester | Course # | Course Name | Cr Hr |
|-------|----------|----------|--|-----------|
| _____ | _____ | WLT 100 | Safety and Health of Welders | 1 |
| _____ | _____ | WLT 104 | Hoisting and Rigging | 2 |
| _____ | _____ | WLT 110 | Drawing and Welding Symbol Interpretation | 1 |
| _____ | _____ | WLT 115 | Welding Inspection and Testing | 1 |
| _____ | _____ | WLT 120 | Thermal Cutting Processes I | 1 |
| _____ | _____ | WLT 125 | Thermal Cutting Processes II | 1 |
| _____ | _____ | WLT 130 | Shielded Metal Arc Welding I | 2 |
| _____ | _____ | WLT 135 | Shielded Metal Arc Welding II | 2 |
| _____ | _____ | WLT 140 | Gas Metal Arc Welding I | 2 |
| _____ | _____ | WLT 145 | Gas Metal Arc Welding II | 2 |
| _____ | _____ | WLT 150 | Flux Cored Arc Welding I | 2 |
| _____ | _____ | WLT 155 | Flux Cored Arc Welding II | 2 |
| _____ | _____ | WLT 160 | Gas Tungsten Arc Welding I | 2 |
| _____ | _____ | WLT 165 | Gas Tungsten Arc Welding II | 2 |
| _____ | _____ | WLT 230 | Shielded Metal Arc Welding III | 4 |
| _____ | _____ | WLT 242 | Gas Metal Arc Welding III | 3 |
| _____ | _____ | WLT 252 | Flux Cored Arc Welding III | 3 |
| _____ | _____ | WLT 260 | Gas Tungsten Arc Welding III | 4 |
| _____ | _____ | WLT 265 | Computer Numerical Control (CNC) Plasma Cutting I | 2 |
| _____ | _____ | WLT 270 | Computer Numerical Control (CNC) Plasma Cutting II | 3 |
| _____ | _____ | WLT 280 | Robotic Welding I | 2 |
| _____ | _____ | WLT 285 | Robotic Welding II | 3 |
| | | | SUB-TOTAL | 47 |

PROGRAM REQUIREMENT

| | | | | |
|-------|-------|---------|------------------------------|----------|
| _____ | _____ | EMS 104 | Mathematics for Metalworking | 2 |
| | | | SUB-TOTAL | 2 |

GENERAL EDUCATION REQUIREMENTS

| | | | | |
|-------|-------|---------|--|-----------|
| _____ | _____ | COM 101 | English Composition or COM 110 Honors Composition | 3 |
| _____ | _____ | COM 111 | Oral Communications or COM 121 Public Speaking | 3 |
| _____ | _____ | CPP 101 | Introduction to Microcomputer Usage or CPP 102 Advanced Microcomputer Usage | 3 |
| _____ | _____ | MAT 115 | College Algebra or MAT 118 Survey of College Mathematics | 3 |
| _____ | _____ | PHY 101 | College Physics & PHY 102 College Physics Lab or PHY 103 & 104 Environmental Science & Lab | 4 |
| _____ | _____ | PSC 101 | American Government or HST 105 Am. History to 1877 or HST 110 Am. History from 1877 | 3 |
| | | | SUB-TOTAL | 19 |

GRADUATION REQUIREMENTS

| | | | | |
|-------|-------|---------|-----------------------|-----------|
| _____ | _____ | COM 125 | Job Search Strategies | 1 |
| | | | SUB-TOTAL | 1 |
| | | | PROGRAM TOTAL | 69 |

Pre-requisite Classes - if applicable

| | | | | | | | |
|-------|-------|---------|----------------------|-------|-------|---------|-----------------------------|
| _____ | _____ | COM 050 | Reading Fundamentals | _____ | _____ | COM 070 | College Reading Preparation |
| _____ | _____ | COM 095 | Basic Writing | _____ | _____ | COM 097 | Intermediate Writing |
| _____ | _____ | MAT 071 | Intermediate Algebra | | | | |

I understand this education plan is the list of courses (not including pre-requisite courses) I must pass in order to earn the degree/certificate I'm pursuing. It is my responsibility, with the assistance of my advisor, to ensure I have enrolled in and appropriately passed all courses required for graduation. Any degree exceptions will be agreed upon by my Department Chair, the Dean or Associate Dean of Instruction, and me and submitted to the Registrar on the Degree Exception form. I am responsible for knowing the graduation requirements for my program as they are listed in the catalog.

Student Signature / Date: _____ **Advisor Signature / Date:** _____

The signed original of this form should be submitted to the Academic Records Office upon initial enrollment, and copies should be kept by the student and advisor.

Sample Course of Study for the
Welding Technology
Associate of Applied Science Degree

| | | |
|--|--|-----------------|
| <u>Fall Semester</u> | | <u>14 hours</u> |
| COM 111 | Oral Communications | 3 |
| Social Science General Education Requirement | | 3 |
| WLT 100 | Safety and Health of Welders | 1 |
| WLT 104 | Hoisting and Rigging | 2 |
| WLT 110 | Drawing and Welding Symbol Interpretation | 1 |
| WLT 120 | Thermal Cutting Processes I | 1 |
| WLT 130 | Shielded Metal Arc Welding I | 2 |
| <u>Spring Semester</u> | | <u>20 hours</u> |
| COM 101 | English Composition | 3 |
| COM 125 | Job Search Strategies | 1 |
| CPP 101 | Intro to Microcomputer Usage | 3 |
| EMS 104 | Mathematics for Metalworking | 2 |
| MAT 071* | Intermediate Algebra | 4 |
| WLT 115 | Welding Inspection and Testing | 1 |
| WLT 140 | Gas Metal Arc Welding I | 2 |
| WLT 150 | Flux Cored Arc Welding I | 2 |
| WLT 160 | Gas Tungsten Arc Welding I | 2 |
| <u>Summer Semester</u> | | <u>12 hours</u> |
| Math General Education Requirement | | 3 |
| WLT 125 | Thermal Cutting Processes II | 1 |
| WLT 135 | Shielded Metal Arc Welding II | 2 |
| WLT 145 | Gas Metal Arc Welding II | 2 |
| WLT 155 | Flux Cored Arc Welding II | 2 |
| WLT 165 | Gas Tungsten Arc Welding II | 2 |
| <u>Fall Semester</u> | | <u>14 hours</u> |
| Science General Education Requirement | | 4 |
| WLT 230 | Shielded Metal Arc Welding III | 4 |
| WLT 242 | Gas Metal Arc Welding III | 3 |
| WLT 252 | Flux Cored Arc Welding III | 3 |
| <u>Spring Semester</u> | | <u>14 hours</u> |
| WLT 260 | Gas Tungsten Arc Welding III | 4 |
| WLT 265 | Computer Numerical Control (CNC) Plasma Cutting I (1 st 8 wks) | 2 |
| WLT 270 | Computer Numerical Control (CNC) Plasma Cutting II (2 nd 8 wks) | 3 |
| WLT 280 | Robotic Welding (1 st 8 wks) | 2 |
| WLT 285 | Robotic Welding II (2 nd 8 wks) | 3 |

* You may test into a higher math class based on your placement score.

Please read the course descriptions in our catalog on the State Tech website to check for additional pre-requisites for these classes.

You should apply for graduation during your 2nd Fall semester of classes.