



CAREER & TECHNICAL  
EDUCATION AREA



# IVY TECH WELDING

## PROGRAM DIScription

The Structural Welding Certificate (CT) will prepare students to become American Welding Society (AWS) qualified and earn an OSHA 10-Hour certification, to give them the skills needed to become a Production Welder. During this program, students will investigate various Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding, (GTAW) & Shielded Metal Arc Welding (SMAW) processes including: short circuit transfer, spray transfer, metal-core and flux-core (FCAW) welding. Welding techniques in all positions on various thicknesses of metal.

## OUR GRADUATES:

Once you are finished, you will have earned 3 AWS qualifications and an OSHA-10 certification. You will have the option of entering the workforce or completing the Technical Certificate (TC) in Welding Technology and the Associate of Applied Science (AAS) degree, with only a few more credit hours to complete

## ADDITIONAL INFO

**GRADE LEVEL:** 11TH & 12TH

**LENGTH OF PROGRAM:** 2 YEARS - 1/2 DAY

**HS CREDITS PER SEMESTER:** 3

**HS CREDITS PER YEAR:** 6

## DOE CODES:

7110 - Principles of Welding Technology

7111 - Shielded Metal Arc Welding

7101 - Gas Welding Processes

7226 - Welding Technology Capstone

**WELDING PROGRAM CHAIR: MOLLY JOSEPH**

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## COURSE INFO



### FALL SEMESTER COURSES (1ST YEAR):

**WELD100 - Welding Processes**

(3 Cr Hrs) TBD

**WELD207 - Gas Metal Arc (MIG) Welding**

(3 Cr Hrs) TBD



### SPRING SEMESTER COURSES (1ST YEAR):

**WELD208 - Gas Tungsten Arc (TIG) Welding**

(3 Cr Hrs) TBD

**WELD108 - Shield Metal ARC Welding I**

(3 Cr Hrs) TBD



### FALL SEMESTER COURSES (2ND YEAR):

**WELD206 - Advanced Shielded Metal Arc Welding**

(3 Cr Hrs) TBD

**WELD272 - Advanced Gas Metal Arc Welding**

(3 Cr Hrs) TBD



### SPRING SEMESTER COURSES (2ND YEAR):

**WELD273 - Advanced Gas Tungsten Arc (TIG)**

**Welding**

(3 Cr Hrs) TBD

**WELD210 - Fabrication I**

(3 Cr Hrs) TBD



## FEES:

### Course Fees:

1st semester - \$597 (Welding PPE kit, Consumables, & Certification)

2nd semester - \$300 (Consumables)

3rd Semester - \$690 (Consumables and AWS Qualification)

4th Semester - \$495 (Consumables and AWS Qualification)

Ivy Tech Technology Fee: \$60 per semester

**Tuition:** Twin Rivers pays ALL CTE course tuition. Student pays for fees and books.