



CAREER & TECHNICAL EDUCATION AREA



IVY TECH WELDING

PROGRAM DESCRIPTION

The Structural Welding Certificate (CT) will prepare students to become American Welding Society (AWS) certified 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 certifications 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

Phone: 812-298-2335
 mjoseph22@ivytech.edu

COURSE INFO

FALL SEMESTER COURSES (1ST YEAR):

- WELD100 - Welding Processes**
(3 Cr Hrs) M/T/W/TH 8:00am - 10:15 am
- WELD108 - Shield Metal ARC Welding I**
(3 Cr Hrs) M/T/W/TH 8:00am - 10:15 am

SPRING SEMESTER COURSES (1ST YEAR):

- WELD206 - Advanced Shielded Metal Arc Welding**
(3 Cr Hrs) M/T/W/TH 8:00am - 10:15 am
- WELD207 - Gas Metal ARC (MIG) Welding**
(3 Cr Hrs) M/T/W/TH 8:00am - 10:15 am

FALL SEMESTER COURSES (2ND YEAR):

- WELD272 - Advanced Gas Metal Arc Welding**
(3 Cr Hrs) M/T/W/TH 12:30pm - 2:45pm
- WELD208 - Gas Tungsten Arc (TIG) Welding**
(3 Cr Hrs) M/T/W/TH 12:30pm - 2:45pm

SPRING SEMESTER COURSES (2ND YEAR):

- WELD273 - Advanced Gas Tungsten Arc (TIG) Welding**
(3 Cr Hrs) M/T/W/TH 12:30pm - 2:45pm

FEES:

Course Fees:

- 1st semester - \$597 (Welding PPE kit, Consumables, & Certification)
- 2nd semester - \$300 (Consumables)
- 3rd Semester - \$495 (Consumables and AWS Certification)
- 4th Semester - \$315 (Consumables and AWS Certification)
- Ivy Tech Technology Fee: \$60 per semester

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

*FEES ARE APPROXIMATE AND COULD VARY FROM YEAR TO YEAR