SUNY NIAGARA

BOCES Articulation Agreement/CAP

Welding Technology, A.A.S.

Overview

The Welding Technology curriculum includes coursework in welding that is designed to prepare the student for various welding certifications. In addition, the degree offers coursework in some of the soft skilled and tangible areas of liberal arts. This curriculum path takes advantage of affordable cost offerings and combines high school practical experience with college level classroom opportunities.

Careers

Careers related to your program of study:
- Pipefitter
- Production Manager
- Welder
- Welding Manager
- Welding Procurement
- Welding Sales

*Articulation Agreement

Students receive transfer credit with 85% or higher grade average **if attending SUNY Niagara within two years of high school graduation**. No additional college cost required.

** College Acceleration Program (CAP)

Students register and pay for SUNY Niagara college credit at a reduced rate in senior year. Students are responsible for registration and payment prior to the deadline.

Contact

Program Coordinator
Anthony Bonura
716-614-5912
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Division
Business & STEM
716-614-6410

Visit full catalog for specific course offerings for each semester:
https://sunyniagara.edu/courses/welding-technology-a-a-s/
https://tinyurl.com/j3acy9u8

Program Requirements

Junior Year of High School	Credits
*WLD 110/L - Electrical Arc Welding Process w/ Lab	4
*WLD 120/L - Thermal Cutting w/ Lab	2
*WLD 130/L - Welding Safety - OSHA w/ Lab	2
*WLD 140/L - Gas Metal Arc Welding Processes w/ Lab	2
*WLD 150 - Welding Metallurgy	3
Total Credit Hours:	**13 Cr.**

Senior Year of High School

**** WLD 100 - Introduction to Welding and Blueprints**	**3**
****WLD 210/L - Tig Welding Processes w/ Lab**	**3**
****WLD 220/L - Metal Fabrication w/ Lab**	**2**
****WLD 230/L - Welding Inspections & Quality Control w/ Lab**	**2**
****WLD 260/L - Capstone Project w/ Lab**	**2**
Total Credit Hours:	**12 Cr.**

Fall Semester

TEC 105 - Basic Skills for Technology	3
MET 125 - Processes	3
CHE 100 - Fundamentals of Chemistry	3
CHE 101L - Fundamentals of Chemistry Lab	1
___ ___ - Health/Physical Education elective	1
WLD 240/L – Advanced Electric Arc Welding Process	4
___ ___ - Diversity: Equity, Inclusion & Social Justice General Education elective that also fulfills a Liberal Arts elective	3
Total Credit Hours:	**18 Cr.**

Spring Semester

MAT 110 - Intermediate Algebra	4
TEC 110 - Introduction to Technical Calculations	1
ENG 101 - Writing I	3
___ ___ - Communication – Oral General Education approved elective	3
ECO 102 - Microeconomics	3
WLD 250/L - Welding Certification w/ Lab	4
Total Credit Hours:	**18 Cr.**

The information provided is subject to change throughout the academic year. 3/9/2026