

Advanced Welding

OFNE Community Model for Education | David Gray
Office of First Nations Education & Anglophone School District North



PROGRAM OVERVIEW

The ASD-N ICE Centre is a career education centre that offers students an opportunity to explore a possible career paths while developing hands on skills. Students will earn credits from their High School while also earning possible NBCC credits or workplace certification.

Through collaboration with the office of First Nations Education the Community Model for Education was developed and launched in the Anglophone North School District. The Community Model for Education allows students attend class in their community, while also working with community members and organizations to complete a community project by the end of the course. Students will work with a Certified Teacher, a Subject Matter Expert and a Community Builder throughout the course. This allows for a collaborative approach to education and ensure students get the skills they need to succeed.

Our objective is to provide students with the opportunity to explore a possible career path, engage with their community and develop a plan for their future.

COURSE DESCRIPTION

Welders use electric arc and oxy-fuel to heat and meld metal. The forms created by welders benefit a wide range of industries, including: aerospace, automotive, construction, and manufacturing. As part of this course students will learn a technical understanding of arc welding, welding safety, power sources, and electrode classifications and selection. Welding is a skilled trade that has been perfected throughout history. Knowledgeable welders remain integral to factory and building teams.

To provide students with the opportunity to engage with the industry and spend time in the field it is necessary that the field experience portion of this course be in direct partnership with industry players.

Through working directly with a Red Seal Welder as a subject matter expert, students will developing advanced welding skills. Students will have the opportunity to challenge CWB testing at the end of the course and earn professional tickets from the CWB.

ASSESSMENT

For this course you will earn 2.0 credits.

1.0 Credit – Welding 120 and 1.0 Credit in Cooperative Education

Assessment in Welding 120

Hand Tool, Power Tools & Fasteners	10%
Advanced Positions in SMAW & GMAW	50%
Capstone Project	30%
GTAW Skills	10%

Assessment for Cooperative Education

Career Exploration	20%
Work Search & Preparation	20%
Workplace Safety, Rights and Responsibilities	10%
Workplace & Career Training	50%