

# Heavy Construction

ASD-N ICE Centre | Brian Doyle



## PROGRAM OVERVIEW

The ASDN ICE Centre is a career education centre that offers students an opportunity to explore a possible career paths while developing hands on skills. All courses offered at the ICE Centre are in collaboration with NBCC Miramichi. We have several classrooms and The IDEA Room at the NBCC Miramichi campus. Students will earn credits from their respective High School while also earning possible NBCC credits in their respective field.

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

Students entering any course at the ASDN ICE Centre will be treated as NBCC students. They will experience Post-Secondary Education and gain a better understanding of the independence that is required in life after high school.

## COURSE DESCRIPTION

The **Heavy Construction** course focuses on three potential career paths and allows students to explore each career individually: Heavy Equipment Operator, Mobile Crane Operator and Heavy Equipment Service Technician.

This course provides and introduction to the knowledge and skills necessary in the activity and production work associated with earth, gravel and rock movement. Students will get significant hands-on practice operating heavy equipment simulators, and develop knowledge in respect for the work environment, basic repairs, preventative maintenance, and industrial safety concepts. You will also get an introduction to the skills necessary in the rigging and hoisting activity associated with the construction industry. Mobile Crane Operators are an integral component in the construction of highways, residential and commercial building construction for the transfer of heavy loads.

In addition to gaining experience and knowledge of the heavy equipment machines, you will also gain invaluable insight into the mechanics of the machinery and the important field of Heavy Equipment Service Technician. This course is an excellent opportunity to explore this industry and determine where you would like to focus. The equipment explored in this course will include: Loader, Dozer, Excavator, Grader, Backhoe and Mobile Crane.

## **ASSESSMENT**

For this course you will earn 2.0 credits.

1.0 Credit – Career Exploration and 1.0 Credit in Cooperative Education

### **Assessment in Career Exploration**

Construction Industry Sectors	20%
Heavy Equipment Machines	30%
Heavy Equipment Operating Training	30%
Careers in Heavy Construction	20%

### **Assessment for Cooperative Education**

Career Exploration	30%
Work Search & Preparation	20%
Workplace Safety, Rights and Responsibilities	10%
Workplace & Career Training	40%