

Diesel Repair – Industrial & Marine

Program Description:

The Diesel Repair program prepares graduates to enter the workforce in diesel engine and equipment related occupations, both marine and land-based (eg. heavy duty trucks)

Program Expectations:

Learners will experience a combination of theory and practical assignments in all aspects of maintenance, service, and repair of diesel engines and related equipment. Students are required to complete OH&S-WHMIS and First Aid early in first semester (end of September). Mandatory safety milestones include Hazard Identification, Confined Spaces, Lock-Out/Tag-Out, and Respiratory Protection. Normal class size is 17 to 21 students. All students are expected to be punctual and attend all theory, practical and related classes.

Time Commitment:

The program is designed to industry standards where it is expected that all work (assignments) are completed on time and that participation in group work is necessary. This program will require a high degree of time management. A normal schedule begins at 8:30 AM and continues until 3:30 or 4:00 PM with lunch from 11:30-12:00, Monday to Thursday.

During each course within the program, students will be expected to complete essay assignments which may be 1 to 5 pages depending on the topic. While a certain amount of information in the textbooks will be covered during theory, the learners are encouraged to read and complete the quiz at the end of each chapter.

Assignments/Class Time:

Learners are evaluated predominantly on the practical assignments which include safe work procedures, proper use of equipment and following written or verbal instructions. The written essays and tests are marked on a percentage basis. A combined total of practical, written assignments and tests make up the final marks in each course.

Challenges:

Math, communication (written and verbal), and computer skills are the most important tools students must develop to be successful. A good deal of the program will require the use of measuring equipment, formulas, and expense calculations.

Program Tool List:

CSA approved safety shoes, non-tinted safety glasses and coveralls or shop coats are required at all times in the shop and should be obtained in advance of starting classes. You will be provided with the first pair of safety glasses and all required tools.

How to be Successful:

All the skills that a successful learner will acquire during the program are in preparation for entry into the workforce. Aside from the strictly practical skills, the diesel repair trade will involve working in severe weather conditions, awkward positions and sometimes in confined spaces or at heights.

Job prospects in the diesel repair industry, whether marine or industrial are good. Career opportunities in fields such as ship repair, truck and transport or heavy duty repair are available for anyone with the attitude to work at growing within their chosen field. During the program, we try to arrange site visits to such places as the Navy Dockyard or Coast Guard facilities.

Industry representatives and former students are invited to speak with current learners. Communications skills are very important in this program. The communications instructor and lead instructor work on a number of joint projects during the year with the evaluation covering both proper format and technical content.