

Marine and Powersports

Diploma (D373)

Technical Requirements35

Total Credits35

Program Description

The Marine and Powersports Diploma is designed to provide the students with the knowledge and skills needed for the rapidly growing recreational and power equipment fields. Courses in the program cover all aspects of maintenance and repair, shop operation, set up, and delivery. This is a one-year program.

Program Outcomes

By completing this program, students will achieve the following learning outcomes:

- Apply safe work practices in a manner compatible with OSHA requirements and industry expectations;
- Demonstrate industry standard applications of selected tools and equipment for powersports engine maintenance, diagnostic and repair tools;
- Apply diagnostic and repair concepts to powersports engine, marine engine equipment power train and chassis systems;
- Apply preventative maintenance concepts to powersports engine equipment care and storage;
- Use a variety of computer, Web and technical resources to find information, troubleshoot problems and prepare estimates.

Career Opportunities

Graduates of this program typically become employed at dealerships as service technicians. The most common types of dealerships include outdoor power equipment, snowmobile, marine, motorcycle, and all-terrain vehicle (ATV). After completing this program, students will be prepared for a variety of careers, including service technician, general manager, service manager, individual business owner, parts personnel, factory service representative, and parts manager.

Program Course Requirements

MAPS 1100	Introduction to Marine and Powersports ...	1 cr
MAPS 1104	Engine Theory and Diagnostics	4 cr
MAPS 1105	Electrical Systems and Diagnostics	2 cr
MAPS 1107	Fuel Systems and Diagnostics	2 cr
MAPS 1121	Lawn and Garden Service	3 cr
MAPS 1131	Outboard Systems	3 cr
MAPS 1133	Advanced Outboard and Diagnostics	4 cr
MAPS 1136	Industry Certifications 1.....	1 cr
MAPS 1137	Industry Certifications 2.....	1 cr
MAPS 1141	Snowmobile Diagnostics and Service	3 cr
MAPS 1142	Inboards, Inboard/Outboards, and Personal Watercraft	5 cr
MAPS 1163	Motorcycle/ATV/UTV 1.....	3 cr
MAPS 1165	Motorcycle/ATV/UTV 2.....	3 cr

GRADUATION REQUIREMENT - 35 CREDITS

**Denotes Prerequisites*

Course Prerequisites

Some courses may require appropriate test scores or completion of basic math, basic English and/or reading courses with a "C" or better. CLC utilizes a multiple measure approach for placement which may include high school MCA, SAT, ACT scores in addition to high school GPAs. For insurance purposes, internships may require that students be 18 years old.

Semester Course Requirements

Semester One (18 credits)

MAPS 1100	Introduction to Marine and Powersports ...	1 cr
MAPS 1104	Engine Theory and Diagnostics	4 cr
MAPS 1105	Electrical Systems and Diagnostics	2 cr
MAPS 1107	Fuel Systems and Diagnostics.....	2 cr
MAPS 1121	Lawn and Garden Service.....	3 cr
MAPS 1136	Industry Certifications 1.....	1 cr
MAPS 1142	Inboards, Inboard/Outboards, and Personal Watercraft	5 cr

Semester Two (17 credits)

MAPS 1131	Outboard Systems	3 cr
MAPS 1133	Advanced Outboard and Diagnostics.....	4 cr
MAPS 1137	Industry Certifications 2.....	1 cr
MAPS 1141	Snowmobile Diagnostics and Service.....	3 cr
MAPS 1163	Motorcycle/ATV/UTV 1.....	3 cr
MAPS 1165	Motorcycle/ATV/UTV 2.....	3 cr

Graduation Requirements

In addition to the program requirements, students must meet the following conditions in order to graduate:

1. College Cumulative GPA Requirement: cumulative grade point average (GPA) of credits attempted and completed at CLC must be at least 2.0;
2. College Technical Core GPA Requirement: cumulative GPA of credits attempted and completed towards the technical core of the diploma or degree must be at least 2.0;
3. Residency Requirement: students must complete 25% of their credits at Central Lakes College.