

GUIDED PATHWAY: MARINE/SMALL ENGINE TECHNOLOGY CERTIFICATE

MANUFACTURING and INDUSTRIAL TECHNOLOGY CAREER PATH



For more information, visit the [Dallas College Engine Technology webpage](http://www.dcccd.edu/Engine) [www.dcccd.edu/Engine] and your academic advisor at your campus.

This is an example course sequence for students interested in pursuing the Engine Technology-Marine/Small Engine Technology Certificate. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn a certificate in Engine Technology-Marine/Small Engine Technology. Students must earn at least 25% of the credit hours required for graduation through instruction by Dallas College. See catalog for [official certificate requirements](#).

This certificate program is designed to provide students interested in Engine Technology as an option for training in Marine Engine Technology OR Small Engine Technology. Students will be able to go right to work or start on your next engine project with an up-to-date troubleshooting and repair techniques, mechanical theory plus hands-on experience, a solid foundation in engine transmissions, electrical systems, troubleshooting and tune-up procedures. Courses that complete the Marine Track Certificate and Small Engine Track Certificate are noted below. **A student must complete all courses in ONE specialty track option (Marine or Small Engine) to be awarded this certificate.**

Students pursuing this certificate are waived from the [Texas Success Initiative \(TSI\)](#) standards, but must meet course prerequisites.

Catalog Year	2021-2022	You may use this pathway if you entered Dallas College on or before this date.
Degree Type	Level I Certificate	
GPA Requirement	Student must earn a GPA of 2.0 or higher	
TSI	May be Exempt	

SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS

All plans can be modified to fit the needs of part-time students. This is not an official degree plan. See catalog for [official certificate requirements](#).

CERTIFICATE MINIMUM: 23 SEMESTER CREDIT HOURS

MARINE TRACK – SEMESTER 1

Total Hours: 12

[SMER 1404](#) – Marine Equipment Service Principles

[SMER 1401](#) – Marine Engine Tune-up

[SMER 1407](#) – Marine Engine Overhaul

SEMESTER 1 ACTION ITEMS

1. Meet with your advisor to confirm academic and career goals before the end of the semester.
2. Meet with a career advisor or coach to research your career options and opportunities for job shadowing.
3. Meet with a faculty or career advisor regarding placement for the Cooperative course.

MARINE TRACK – SEMESTER 2

Total Hours: 11

[SMER 1413](#) – Marine Electrical Systems

[SMER 1410](#) – Marine Drive Units

CHOOSE ONE: [SMER 1380](#) – Cooperative Education-Small Engine Mechanics and Repair Technology/Technicians **OR**

[SMER 1191](#) – Special Topics in Motorcycle Mechanics and Repairer **AND**

[SMER 1266](#) – Practicum (or Field Experience)-Small Engine Mechanics and Repair Technology/Technician

SEMESTER 2 ACTION ITEMS

1. Meet with your advisor to request an official program of study audit and confirm or update your academic and career path and program of study.
2. Meet with your advisor to apply for the Marine/Small Engine Technology Certificate.

PATHWAY TOTAL: 23 SEMESTER CREDIT HOURS**SMALL ENGINE TRACK – SEMESTER 1****Total Hours: 12**[SMER 1428](#) – Small Engine Service Principles[SMER 1431](#) – Small Engine Tune-up[SMER 1438](#) – Small Engine Drive Systems**SEMESTER 1 ACTION ITEMS**

1. Meet with your advisor to confirm academic and career goals before the end of the semester.
2. Meet with a career advisor or coach to research your career options and opportunities for job shadowing.
3. Meet with a faculty or career advisor regarding placement for the Cooperative course.

SMALL ENGINE TRACK – SEMESTER 2**Total Hours: 11**[SMER 1437](#) – Small Engine Four Stroke Engine[SMER 1425](#) – Small Engine Electrical Systems**CHOOSE ONE:** [SMER 1380](#) – Cooperative Education-Small Engine Mechanics and Repair Technology/Technicians **OR**[SMER 1191](#) – Special Topics in Motorcycle Mechanics and Repairer **AND**[SMER 1266](#) – Practicum (or Field Experience)-Small Engine Mechanics and Repair Technology/Technician**SEMESTER 2 ACTION ITEMS**

1. Meet with your advisor to request an official program of study audit and confirm or update your academic and career path and program of study.
2. Meet with your advisor to apply for the Marine/Small Engine Technology Certificate.

PATHWAY TOTAL: 23 SEMESTER CREDIT HOURS