



Program Map

Automotive Technology and Outdoor Powered Equipment: Marine Engine Repair Advanced

Certificate: Level 1 (C1)



DESIGN, MANUFACTURING, CONSTRUCTION & APPLIED TECHNOLOGY

Program Description: This certificate provides power mechanics technology training in the principles and operation of marine two and four cycle engines, electrical systems, engine failure analysis, tune-up, hydraulic principles, lower unit drives, and extensive laboratory experience. It includes marine engine transit mounting and height adjustments.

The capstone is a learning experience resulting in consolidation of a student's educational experience and certifies mastery of entry-level workplace competencies.

If this pathway is followed as outlined, you will earn a Certificate in Marine Engine Repair.

Contact:

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Department Website:

sites.austincc.edu/ope/

Use this Program Map to choose courses with your college advisor and track your progress towards milestones and completion of program.

Pre-Degree Requirements

Program Specific	Reading and Writing Placement <i>Placements based on TSI</i>	Mathematics Placement <i>Placements based on TSI</i>

SEMESTER-BY-SEMESTER PROGRAM PLAN FOR FULL-TIME STUDENTS

Plans can be modified to fit the needs of part-time students by adding more semesters

Semester 1	CR	Advising Notes
DEMR 1401 - Shop Safety and Procedures	4	
SMER 1413 - Marine Electrical Systems	4	
SMER 1410 - Marine Drive Units	4	
	12	Program Semester Hours / Meet with your advisor
Semester 2		
SMER 1407 - Marine Engine Overhaul	4	
DEMR 1410 - Diesel Engine Testing and Repair I	4	Prerequisites: DEMR 1401, SMER 1407, SMER 1413.
SMER 1401 - Marine Engine Tune Up	4	Prerequisites: DEMR 1401, SMER 1407, SMER 1413.
	12	Program Semester Hours / Meet with your advisor
Semester 3		
SMER 1404 - Marine Equipment Service Principles	4	Prerequisites: DEMR 1401, SMER 1401, SMER 1407, SMER 1413.
SMER 1466 - Practicum (or Field Experience) - Small Engine Mechanics and Repair Technology/Technician OR SMER 2450 - Small Engine Capstone Projects	4	Prerequisites: DEMR 1401, SMER 1401, SMER 1407, SMER 1410, SMER 1413. Capstone course options. ACHIEVEMENT: Completion of Level 1 Certificate
	8	Program Semester Hours
Total Program Hours: 32		

Please always check online at austincc.edu/catalog or meet with your academic or program advisor to ensure that you are viewing the latest and most accurate information.

Career & Transfer Resources

ACC's Career & Transfer websites provide detailed, guided information on career exploration and transfer.

www.austincc.edu/career; www.austincc.edu/transfer

For further information regarding this specific program, please see the Career & Transfer Resources supplement provided in the next section of this Program Map.

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Career & Transfer Resources Updated 8/18/17

Career Information

Common Job Titles

Motorboat Mechanics and Service Technicians (includes Boat Mechanic, Boat Motor Mechanic, Boat Rigger, Marine Mechanic, Marine Propulsion Technician, Marine Technician, Mechanic, Outboard Motor Mechanic, Outboard Technician, Service Technician)

Regional Labor Market Information

Motorboat Mechanics and Service Technicians: New workers generally start around \$24,268. Normal pay for Motorboat Mechanics and Service Technicians is \$40,087 per year, while highly experienced workers can earn as much as \$51,535 in this region. There are currently 131 Motorboat Mechanics and Service Technicians that are employed in Austin-Round Rock, TX.

Source: <https://austincc.emsicc.com/careers/motorboat-mechanic-and-service-technician>

Transfer Information

The Level 1 Certificate in Marine Engine Repair prepares students to directly enter the workforce.

Additional Transfer Resources: ACC's transfer website provides information on additional colleges & universities:

<http://www.austincc.edu/transferguides>. Students are encouraged to consult with a faculty advisor, [area of study advisor](#), and/or their chosen transfer institution to ensure courses taken at ACC will apply toward their bachelor's degree program.