

MTEC 101 : Outboard Motor Repair and Maintenance

Credits 7

Quarter Offered Fall

Learn how to maintain and install outboard motors, rig new boats, select propellers, and repair two-stroke and four-stroke engines. Class includes hands-on routine maintenance and how to troubleshoot, diagnose, prepare estimates for outboard engine repair. Basic trailer repair and maintenance included. This class may include students from multiple sections.

Course Outcomes

- Repair, maintain, repower, and install outboard engines

- Demonstrate outboard engine safety protocols

- Select and test appropriate propeller for a given vessel

- Apply basic electronics to the installation of an outboard engine

- Apply rigging skills to connect outboard engine to boat systems such as steering, throttle, shift, and communication systems

- Prepare cost estimates for outboard motor repair and installation

- Maintain and repair a boat trailer