

# POWER SPORTS & SMALL ENGINE TECHNOLOGIES

47.0699 VEHICLE MAINTENANCE AND REPAIR TECHNOLOGIES, OTHER  
(PDE APPROVED PROGRAM OF STUDY)

An instructional program that prepares individuals to apply technical knowledge and skills to repair, service, maintain and diagnose problems on a variety of small internal-combustion gasoline engines and related systems used on portable power equipment such as lawn and garden equipment, chain saws, outboard motors, rototillers, snowmobiles, lawn mowers, motorcycles, personal watercraft and pumps and generators. This Program includes instruction in the principles of the internal-combustion engine and all systems related to the powered unit. Instruction also includes the use of technical and service manuals, state inspection code, care and use of tools and test equipment, engine tune-up/maintenance, engine overhaul, troubleshooting and diagnostic techniques, drive lines and propulsion systems, electrical and electronic systems, suspension and steering systems and service operations and parts management.

<b>Specialized Equipment:</b>	<b>Related Occupations /Employment Opportunities:</b>	<b>Personal Qualifications:</b>
Drill Press Band Saw Jaw Table Vise Bench Grinders Mower Blade Balancer/Sharpener Hydraulic Press Grinding Machine	Engine Repairer Service Gas-Engine Repairer Power-Saw Mechanic Small-Engine Mechanic	Handling and Moving Objects Making Decisions and Solving problems Standing Analytical Thinking Self-Control

## CAREERS:

HPO	49-1011.00	Supervisors-Mechanics, Installers, & Repairers
	49-3051.00	Motorboat Mechanics
	49-3052.00	Motorcycle Mechanics
	49-3053.00	Outdoor Power Equipment and Other Small Engine Mechanics
	49-3092.00	Recreational Vehicle Service Technicians

## Certifications available to qualified students:

<b>Certification</b>	<b>Provider Name</b>
Outdoor Power Equipment Technician Certification	Equipment & Engine Training Council
S/P2	S/P2