

Physical Capability:

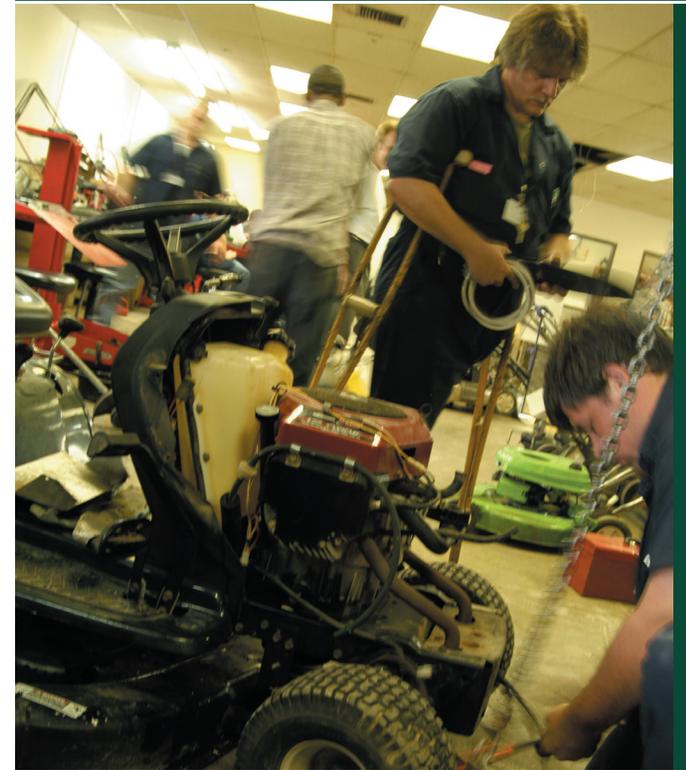
Good use of hands and arms, walking, some standing, stooping, lifting and bending. All other limitations will be evaluated.



We graduate students with a versatile knowledge in engines to set them on a path of employment in a much-needed field. Learning the challenging world of engines leads some students to start on the path of self-employment.



Arkansas Career Training Institute
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ACTI Small Engine Repair

Limitless opportunities.

Small Engine Repair

Engines make the world go around.

In cars.

Homes.

Offices.

Just about any place you go.

With technology rapidly changing, engines, too, become more complex. And that means one thing; a great chance for employment with the proper training.



You don't have to be a rocket scientist to make an engine run like a dream. In the Small Engine Repair program, we'll teach you hands-on skills and theory for repairing and rebuilding various engines. With such a comprehensive program, graduates may find employment at dealerships that specialize in a single brand or an air-cooled engine appliance. Or maybe in a repair shop that services many brands and types of equipment.

Areas of study:

The 2 & 4 Cycle Small Engines Theory – Study of basic engine principles and design for two and four stroke engines.

Servicing Small Engines – Study of the lubrication, cooling system, engine fuel systems and engine governor speed control systems. Students

learn to identify and repair these engines' problems and their related systems.

Troubleshooting Small Engines – Study of requirements needed for an engine to perform. Students learn to identify these problems and repair defective components.



Outdoor Power Equipment Fundamentals

– Study of related outdoor power equipment components in performing specific tasks.

Technical Mathematics – Students learn technical areas of math and problems related to Outdoor Power Equipment.

Electrical Systems / Internship – Study of electrical power applications on outdoor power equipment. Students receive practical application in the workshop area or during internship. Training plans will be developed by each station with supervision.

Technical Communications – Designed to develop speaking, reading, writing and human relations skills required in the work field. Students learn interview skills and practice speaking, writing and listening techniques with self-improvement as a goal.

Drive Trains for Outdoor Power Equipment – Students work with belts, chains, pulleys, gears, transmissions and final drives used in mobile outdoor power equipment.

Major Engine Overhaul – Students disassemble and reassemble four stroke engines. Students inspect and service the cylinder, piston, rings, connecting rod, crankshaft assemblies and valve train.

Chain Saw Drives – Students learn about clutches and reduction gear systems used in chain saws along with chain and guide bar types, sharpening and chain care. Students disassemble and reassemble these components.

Grounds Keeping – Keeping grounds manicured and landscaped. Students are responsible for pickup of all recyclable products on center grounds.



Program advantages

- One-on-one instruction for each student
- Real work experience
- Special projects