

SMALL ENGINE REPAIR (SER)

(Ventress Correctional Facility)

This short certificate program is designed to teach students to repair small gasoline engines. Students receive instruction in the principles of four-stroke cycle and two-stroke cycle engines. Other areas of emphasis are troubleshooting and repair procedures on valves; power producing components; fuel systems; ignition systems; and exhaust, lubrication, and cooling systems.

After completing this program, students will be able to diagnose small engine problems and make repairs to chain saws, lawnmowers, and other similar equipment. Students completing all courses listed in the curriculum will be awarded a certificate. Admission is conditional and depends on the student's ability to perform the essential functions identified for this program. A high school diploma or GED® is not required; however, students are required to have specifically documented ability to benefit. (See *Admission to Courses Not Creditable Toward an Associate Degree* in the *Admissions Policies and Procedures* section of this catalog.) Reasonable accommodations are considered.

SHORT CERTIFICATE CURRICULUM

<i>Course</i>	<i>Credit Hours</i>
Area V: Career and Technical Courses	
<i>Required Field of Concentration Courses</i>	
SER 111 Fundamentals of Small Engine Repair	3
SER 112 Four-Stroke Cycle Engine	3
SER 113 Four-Stroke Cycle Engine Lab	3
SER 115 Basic Small Engine Electrical Systems	3
SER 121 Two-Stroke Cycle Engine	3
SER 122 Engine Reconditioning	2
SER 123 Engine Reconditioning Lab	3
SER 124 Special Projects in Lawn, Garden, and Industrial Engines	3
SER 132 Lawn and Garden Equipment Fundamentals	3
SER 142 Chain Saws and String Trimmers	3
Total Credits for Short Certificate	29

Small Engine Repair Short Certificate Suggested Course Sequence

<i>FIRST SEMESTER</i>	<i>SECOND SEMESTER</i>	<i>THIRD SEMESTER</i>
SER 111	SER 122	SER 121
SER 112	SER 123	SER 142
SER 113	SER 132	
SER 115		
SER 124		
