

CURRICULUM STANDARD

Effective Term
Fall 1997
[1997*03]

Curriculum Program Title Small Engine and Equipment Repair (Diploma) Code D60280
Concentration (not applicable)

Curriculum Description

The Small Engine and Equipment Repair curriculum is designed to prepare individuals with the knowledge and skills needed to service, troubleshoot, and repair small engine-powered equipment. Shop experience is used to provide the skills to service, repair, or rebuild small engines.

Students will be able to disassemble, repair, reassemble, and test small engines and equipment, to include the carburetor, electrical, transmissions, transaxels, and belt/pulley/chain drive systems. The coursework includes safety practices, wiring diagrams, mechanical schematics, and the use of technical manuals.

Graduates should qualify for employment as small engine mechanics at small engine service and repair or rental shops, outdoor power equipment dealers, recreational vehicles dealers, and landscaping and grounds maintenance service centers. Other employment may be available in the agriculture and construction industry.

*Curriculum Requirements**

[for associate degree, diploma, and certificate programs in accordance with 23 NCAC 02E.0204 (3)]

- I. General Education.** Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.
- II. Major Hours.** AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work experience, including cooperative education, practicums, and internships, may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. *(See second page for additional information.)*
- III. Other Required Hours.** A college may include courses to meet graduation or local employer requirements in a certificate, diploma, or associate in applied science program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

	AAS	Diploma	Certificate
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
Total Semester Hours Credit (SHC)	64-76	36-48	12-18

**Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers.*

Major Hours

[ref. 23 NCAC 02E.0204 (3)]

- A. Core.** The subject/course core is comprised of subject areas and/or specific courses which are required for each curriculum program. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the subject/course core of the AAS program.
- B. Concentration** *(if applicable)*. A concentration of study must include a minimum of 12 semester hours credit from required subjects and/or courses. The majority of the course credit hours are unique to the concentration. The required subjects and/or courses that make up the concentration of study are in addition to the required subject/course core.
- C. Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from any prefix listed, with the exception of prefixes listed in the core or concentration. Work experience, including cooperative education, practicums, and internships, may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit.

Small Engine and Equipment Repair (Diploma) D60280

	AAS	Diploma	Certificate
Minimum Major Hours Required	49 SHC	30 SHC	12 SHC
A. CORE Required Courses: PME 101 Small Engine Repair I 6 SHC PME 102 Small Engine Repair II 6 SHC PME 103 Small Engine Carburetion 4 SHC PME 104 Small Engine Electrical 5 SHC PME 105 Small Engine Power Train 5 SHC PME 106 Small Engine Transmissions 4 SHC Required Subject Areas: None		30 SHC	
B. CONCENTRATION <i>(Not applicable)</i>			
C. OTHER MAJOR HOURS <i>To be selected from the following prefixes:</i> CIS, COE, CSC, ISC, and PME <i>Foreign language courses (including ASL) that are not designated as approved other major hours may be included in all programs up to a maximum of 3 semester hours of credit.</i>			