

CURRICULUM STANDARD

Effective Term
Fall 2010
[2010*03]

Curriculum Program Title

Collision Repair and Refinishing Technology

Code

A60130

Concentration

(not applicable)

Curriculum Description

The Collision Repair and Refinishing Technology curriculum prepares individuals to become qualified technicians who possess the diverse skills required to perform quality repairs and proper refinishing techniques on automobile bodies and to diagnose and repair mechanical and electrical systems.

Coursework includes classroom and laboratory experiences that integrate technical application with academic theory. Emphasis is placed on autobody fundamentals, painting and refinishing, structural and non-structural damage repair, mechanical and electrical component repair or replacement, and common industry practices.

Graduates should be qualified to take National Institute for Automotive Service Excellence (ASE) certification examinations and also for entry-level employment in automotive dealerships, independent repair shops, or through self-employment, as collision repair and refinishing technicians.

*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.

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	AAS	Diploma	Certificate
Minimum Major Hours Required	49 SHC	30 SHC	12 SHC
A. CORE <i>Courses required for the Diploma are designated with an *</i> Required Courses: * AUB 111 Painting and Refinishing I 4 SHC * AUB 112 Painting and Refinishing II 4 SHC * AUB 114 Special Finishes 2 SHC * AUB 121 Non-Structural Damage I 3 SHC * AUB 122 Non-Structural Damage II 4 SHC * AUB 131 Structural Damage I 4 SHC * AUB 132 Structural Damage II 4 SHC * AUB 134 Autobody MIG Welding 3 SHC * AUB 136 Plastics and Adhesives 3 SHC Required Subject Areas: AUB 141 Mech & Elec Components I 3 SHC AUB 142 Mech & Elec Components II 6 SHC <i>or</i> Select 9-12 SHC: AUT 141 Suspension & Steering Sys 3 SHC AUT 151 Brake Systems 3 SHC AUT 161 Basic Auto Electricity 5 SHC AUT 171 Auto Climate Control 4 SHC	40-43 SHC	31 SHC	
B. CONCENTRATION <i>(Not applicable)</i>			
C. OTHER MAJOR HOURS <i>To be selected from the following prefixes:</i> ARS, AUB, AUC, AUT, BUS, CIS, COE, CSC, ISC and WLD <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>			