



Automotive Restoration Technology Credential: Certificate in Automotive Restoration Technology C60140

The Automotive Restoration Technology curriculum is designed to provide individuals with the skills needed to work in an entry-level position in the automotive restoration industry. The course work includes research and application of information on specific components of vehicles such as engines, sheet metal, auto body and painting. Graduates of the curriculum should qualify for entry-level employment opportunities in the automotive restoration industry.

Program Length: 3 semesters

Career Pathway Options: Diploma in Automotive Restoration Technology (Higher entrance standards required); Certificate in Automotive Restoration Technology

Program Sites: Lee Campus - Evening Program

Course Requirements for Automotive Restoration Technology Certificate

Major Hours Required for Graduation (16 SHC)

ARS 101	Introduction to Auto Restoration	2-0-2
AUB 111	Painting and Refinishing I	2-6-4
AUB 112	Painting and Refinishing II	2-6-4
AUB 121	Non-Structural Damage I	1-4-3
AUB 141	Mechanical and Electrical Components I	2-2-3

Total Semester Hours Credit required for graduation: 16

Semester Curriculum for Automotive Restoration Technology Certificate

1st Semester (Fall)		C-L-SHC
ARS 101	Introduction to Automotive Rest	2-0-2
AUB 111	Painting and Refinishing I	<u>2-6-4</u>
		4-6-6
2nd Semester (Spring)		
AUB 121	Non-Structural Damage I	1-4-3
AUB 112	Painting and Refinishing II	<u>2-6-4</u>
		3-10-7
3rd Semester (Fall)		
AUB 141	Mechanical and Electrical Components I	<u>2-2-3</u>
		2-2-3

Total Semester Hours Credit: 16

COURSE DESCRIPTIONS

ARS 101 Introduction to Automotive Restoration 2-0-2

This course introduces the automotive restoration industry. Emphasis is placed on the research of the evolution of the automobile from steam to the internal combustion engine in the United States and Europe. Upon completion, students should be able to describe the process of automotive restoration and note the worldwide impact of the automobile. This is a diploma-level course.

AUB 111 Painting and Refinishing 2-6-4

This course introduces the proper procedures for using automotive refinishing equipment and materials in surface preparation and application. Topics include federal, state, and local regulations, personal safety, refinishing equipment and materials, surface preparation, masking, application techniques, and other related topics. Upon completion, students should be able to identify and use proper equipment and materials in refinishing following accepted industry standards.

AUB 121 Non-Structural Damage I 1-4-3

This course introduces safety, tools, and the basic fundamentals of body repair. Topics include shop safety, damage analysis, tools and equipment, repair techniques, materials selection, materials usage, and other related topics. Upon completion, students should be able to identify and repair minor direct and indirect damage including removal/repairing/ replacing of body panels to accepted standards.

AUB 121 Non-Structural Damage I 1-4-3

This course introduces safety, tools, and the basic fundamentals of body repair. Topics include shop safety, damage analysis, tools and equipment, repair techniques, materials selection, materials usage, and other related topics. Upon completion, students should be able to identify and repair minor direct and indirect damage including removal/repairing/ replacing of body panels to accepted standards.

AUB 141 Mechanical and Electrical Components I 2-2-3

This course covers the basic principles of automotive mechanical and electrical components. Topics include personal and environmental safety and suspension and steering, electrical, brake, heating and air-conditioning, cooling, drive train, and restraint systems. Upon completion, students should be able to identify system components and perform basic system diagnostic checks and/or repairs according to industry standards.