

**Library and Information Technology
Credential: Certificate in Library
Management C55310M0**

This certificate is designed for individuals interested in entering the library field, as well as those already employed in the field who desire to improve their job knowledge and skills through a selection of survey courses. Specific emphases includes a survey of libraries, library public and technical services, library management, customer service, and human resource management. Credits earned in this program may be transferred toward an Associate in Applied Science in Library and Information Science and/or a Diploma in Library and Information Science.

(No placement testing is required for this certificate program.)
Program Length: Variable based on student course load.
Career Pathway Options: Associate in Applied Science Degree in Library and Information Technology (Higher entrance standards required.)
Program Sites: Distance Education

**Course Requirements for Library Management
Certificate**

Major Requirements (18 SHC):	C-L-SHC
LIB 110 Introduction to Libraries	3-0-3
LIB 112 Library Collection Dev/Acquisition	2-2-3
LIB 114 Library Public Services Operations	2-2-3
LIB 215 Library Management	3-0-3
BUS 153 Human Resource Management	3-0-3
MKT 223 Customer Service	3-0-3

Total Semester Hours Credit Required: 18

Transportation Systems Technologies

**Automotive Restoration Technology
Credential: Diploma in Automotive
Restoration Technology
D6014000**

**Program currently on hold for 2016-17 pending facility relocation*

The Automotive Restoration Technology curriculum is designed to provide individuals with the competencies needed to work in the automotive restoration industry. The program prepares individuals to apply technical knowledge and skills to repair, reconstruct, finish and restore automobile bodies, fenders, and external features of a wide range of classic vehicles that typically are at least 35 years old. It includes instruction in internal combustion engines, transmissions, brakes, restoring original sheet metal, upholstery, and wood components, rebuilding starters, generators, and painting and refinishing techniques.

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
Program Sites: Lee Campus - Day Program

**Course Requirements for Automotive Restoration
Technology Diploma**

I. General Education Academic Core (6 SHC)	C-L-SHC
ENG 102 Applied Communication II	3-0-3
MAT 101 Applied Mathematics I	2-2-3

II. Major Hours (37 SHC)

A. Technical Core (5 SHC)

TRN 110 Intro to Transport Tech	1-2-2
TRN 180 Basic Welding for Transp	1-4-3

B. Program Major (13 SHC)

ARS 112 Auto Restoration Research	3-0-3
ARS 113 Automotive Upholstery	2-2-4
ARS 114 Restoration Skills I	2-2-4
ARS 117 Automotive Engines	1-3-2

C. Other Major Hours (19 SHC)

ARS 118 Wood and Metal Restoration	2-2-3
ARS 131 Chassis and Drive Trains	2-3-3
AUB 111 Painting and Refinishing I	2-6-4
AUB 112 Painting and Refinishing II	2-6-4
TRN 120 Basic Transp Electricity	4-3-5

D. Other Required Hours (3)

AUB 121 Non-Structural Damage I	1-4-3
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Total Semester Hours Credit required for graduation: 46

**Automotive Restoration Technology
Credential: Certificate in Automotive
Restoration Technology
C6014000**

**Program currently on hold for 2016-17 pending facility relocation*

The Automotive Restoration Technology curriculum is designed to provide individuals with the competencies needed to work in the automotive restoration industry. The program prepares individuals to apply technical knowledge and skills to repair, reconstruct, finish and restore automobile bodies, fenders, and external features of a wide range of classic vehicles that typically are at least 35 years old. It includes instruction in basic electricity, rebuilding starters, generators, and painting and refinishing techniques.

Graduates of the curriculum should qualify for entry-level employment opportunities in the automotive restoration industry.

Program Length: 2 semesters

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

Program Sites: Lee Campus - Day Program

Course Requirements for Automotive Restoration Technology Certificate

I. General Education Academic Core (0 SHC) C-L-SHC

II. Major Hours (15 SHC)

A. Technical Core (2 SHC)

TRN 110 Intro to Transport Tech 1-2-2

B. Program Major (5 SHC)

TRN 120 Basic Transp Electricity 4-3-5

C. Other Major Hours (8 SHC)

AUB 111 Painting and Refinishing I 2-6-4

AUB 112 Painting and Refinishing II 2-6-4

Total Semester Hours Credit required for graduation: 15

Automotive Systems Technology

Credential: Associate in Applied Science Degree in Automotive Systems Technology A60160

This curriculum prepares individuals for employment as automotive service technicians. The program prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. Emphasis is placed on theory, servicing and operation of brake systems, electrical systems, engine performance, engine repair, suspension and steering, automatic and manual transmissions and drive trains, and heating and air condition systems. Classroom and lab experiences integrate technical and academic coursework.

Upon completion of this curriculum students should be prepared for ASE certification and be ready for full-time employment in dealerships and repair shops in the automotive service industry

Program Length: 5 semesters

Career Pathway Options: Associate in Applied Science Degree in Automotive Systems Technology

Program Sites: Lee Campus - Day Program

Course Requirements for Automotive Systems Technology Degree

I. General Education Academic Core (15 SHC) C-L-SHC

ENG 111 Writing and Inquiry 3-0-3

ENG 114 Professional Research and Reporting 3-0-3
 Humanities/Fine Arts Elective 3-0-3
 MAT 110 Mathematical Measurement and Literacy 2-2-3
 Social/Behavioral Science Elective 3-0-3

II. Major Hours (57 SHC)

A. Technical Core (9 SHC)

TRN 110 Intro to Transport Tech 1-2-2

TRN 120 Basic Transp Electricity 4-3-5

TRN 140 Transp Climate Control 1-2-2

B. Program Major Courses (12 SHC)

AUT 141 Suspension and Steering Systems 2-3-3

AUT 151 Brake Systems 2-3-3

AUT 181 Engine Performance I 2-3-3

AUT 221 Auto Transm/Transaxles 2-3-3

D. Other Major Hours Required for Graduation (36 SHC)

CIS 111 Basic PC Literacy 1-2-2

AUT 114 Safety and Emissions 1-2-2

AUT 114A Safety and Emissions Lab 0-2-1

AUT 116 Engine Repair 2-3-3

AUT 116A Engine Repair Lab 0-3-1

AUT 141A Suspension and Steering Lab 0-3-1

AUT 151A Brake Systems Lab 0-3-1

AUT 163 Adv Automotive Electricity 2-3-3

AUT 163A Adv Automotive Electricity Lab 0-3-1

AUT 181A Engine Performance Lab 0-3-1

AUT 183 Engine Performance II 2-6-4

AUT 221A Auto Transm/Transaxles Lab 0-3-1

AUT 231 Manual Trans/Axles/Drtrains 2-3-3

AUT 231A Manual Trans/Axles/Drtrains Lab 0-3-1

AUT 281 Advanced Engine Performance 2-2-3

TRN 130 Intro to Sustainable Transp 2-2-3

TRN 140 A Transp Climate Control Lab 1-2-2

TRN 145 Adv Automotive Electronics 2-3-3

III. Other Required Hours (1 SHC)

Choose one course:

ACA 111 College Student Success 1-0-1

ACA 115 Success and Study Skills 0-2-1

ACA 122 College Transfer Success 1-0-1

Total Semester Hours Credit required for graduation: 73 SHC

Automotive Systems Technology

Credential: Diploma in Automotive Systems Technology D60160

This curriculum prepares individuals for employment as automotive service technicians. The program prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. Emphasis is placed on theory, servicing and operation of brake systems, electrical systems, engine performance, suspension and steering, and heating and air condition

systems. Classroom and lab experiences integrate technical and academic coursework.

Upon completion of this curriculum students should be ready for full-time employment in dealerships and repair shops in the automotive service industry

Program Length: 3 semesters

Career Pathway Options: Associate in Applied Science Degree in Automotive Systems Technology (Higher entrance standards required), Diploma in Automotive Systems Technology.

Program Sites: Lee Campus - Day Program

Course Requirements for Automotive Systems Technology Diploma

I. General Education Academic Core (6 SHC)		C-L-SHC
ENG 102	Applied Communication II	3-0-3
MAT 110	Mathematical Measurement and Literacy	2-2-3

II. Major Hours (36 SHC)

A. Technical Core (7 SHC)

TRN 110	Intro to Transport Tech	1-2-2
TRN 120	Basic Transp Electricity	4-3-5

B. Program Major Courses (12 SHC)

AUT 141	Suspension and Steering Systems	2-3-3
AUT 151	Brake Systems	2-3-3
AUT 163	Adv Automotive Electricity	2-3-3
AUT 181	Engine Performance I	2-3-3

C. Other Major Hours required for graduation (17 SHC)

AUT 114	Safety and Emissions	1-2-2
AUT 114A	Safety and Emissions Lab	0-2-1
AUT 141A	Suspension and Steering Lab	0-3-1
AUT 151A	Brake Systems Lab	0-3-1
AUT 163A	Adv Automotive Electricity Lab	0-3-1
AUT 181A	Engine Performance Lab	0-3-1
AUT 183	Engine Performance II	2-6-4
CIS 111	Basic PC Literacy	1-2-2
TRN 140	Transp Climate Control	1-2-2
TRN 140 A	Transp Climate Control Lab	1-2-2

Total Semester Hours Credit required for graduation: 42

**Automotive Systems Technology
Credential: Certificate in Automotive Systems Technology
C60160**

This curriculum prepares individuals for employment as automotive service technicians. The program prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. Emphasis is placed on theory, servicing and operation of brake systems, electrical systems, and engine performance,

Classroom and lab experiences integrate technical and academic coursework.

Upon completion of this curriculum students should be ready for full-time employment in dealerships and repair shops in the automotive service industry

Program Length: 2 semesters

Career Pathway Options: Associate in Applied Science Degree in Automotive Systems Technology (Higher entrance standards required), Diploma in Automotive Systems Technology (Higher entrance standards required), Certificate in Automotive Systems Technology.

Program Sites: Lee Campus - Day Program

Course Requirements for Automotive Systems Technology Certificate

I. General Education Academic Core (0 SHC)		C-L-SHC
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II. Major Hours (59 SHC)

A. Technical Core Courses (5 SHC)

TRN 120	Basic Transp Electricity	4-3-5
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B. Program Major (8 SHC)

AUT 151	Brake Systems	2-3-3
AUT 151A	Brake Systems Lab	0-3-1
AUT 181	Engine Performance I	2-3-3
AUT 181A	Engine Performance Lab	0-3-1

C. Other Major Hours (4 SHC)

AUT 163	Adv Automotive Electricity	2-3-3
AUT 163A	Adv Automotive Electricity Lab	0-3-1

Total Semester Hours Credit required for graduation: 17

**Motorcycle Mechanics
Credential: Diploma in Motorcycle Mechanics
D60260**

This curriculum provides a training program for developing the basic knowledge and skills needed to inspect, maintain, diagnose, repair and/or adjust motorcycles, and other similar powered vehicles. Coursework provides a thorough understanding of the operating principles involved in modern motorcycles and includes instruction in lubrication and cooling systems, electrical and ignition systems, carburetion, fuel systems and adjustments of moving parts. Graduates receiving a diploma may find employment with motorcycle dealers, independent repair shops or may set up their own business after they have developed skills in the trade.

Program Length: 3 semesters

Career Pathway Options: Diploma in Motorcycle Mechanics
Program Sites: Lee Campus - Day Program

Course Requirements for Motorcycle Mechanics Diploma

I. General Education Academic Core (6 SHC) C-L-SHC
 ENG 102 Applied Communication II 3-0-3
 MAT 110 Mathematical Measurement and Literacy 2-2-3

II. Major Hours (41 SHC)

A. Technical Core (7 SHC)
 TRN 110 Intro to Transport Tech 1-2-2
 TRN 120 Basic Transp Electricity 4-3-5

B. Program Major (15 SHC)
 MCM 111 Motorcycle Mechanics 3-8-7
 MCM 114 Motorcycle Fuel Systems 2-6-5
 MCM 115 Motorcycle Chassis 1-6-3

C. Other Major Hours (19 SHC)
 MCM 117 Motorcycle Dyno Tuning I 1-4-3
 MCM 217 Motorcycle DynoTuning II 1-4-3
 TRN 180 Basic Welding for Transp 1-4-3
 MCM 122 Motorcycle Engines 2-9-5
 MEC 111 Machine Processes I 1-4-3
 CIS 111 Basic PC Literacy 1-2-2

Total Semester Hours Credit required for graduation: 47

TRN 110 Intro to Transport Tech 1-2-2
 TRN 120 Basic Transp Electricity 4-3-5
B. Program Major (8 SHC)
 MCM 122 Motorcycle Engines 2-9-5
 MCM 115 Motorcycle Chassis 1-6-3

Total Semester Hours Credit required for graduation: 15

**Motorcycle Mechanics
 Credential: Certificate in Motorcycle
 Mechanics
 C60260**

This curriculum provides a training program for developing the basic knowledge and skills needed to inspect, maintain, diagnose, repair and/or adjust motorcycles, and other similar powered vehicles. Coursework provides a thorough understanding of the operating principles involved in modern motorcycles and includes instruction in lubrication and cooling systems, electrical and ignition systems, carburetion, fuel systems and adjustments of moving parts. Graduates receiving a certificate may find employment with motorcycle dealers, independent repair shops or may set up their own business after they have developed skills in the trade.

Program Length: 2 semesters
 Career Pathway Options: Diploma in Motorcycle Mechanics (Higher entrance standards required), Certificate in Motorcycle Mechanics
 Program Sites: Lee Campus - Day and Evening Program

Course Requirements for Motorcycle Mechanics Certificate

I. General Education Academic Core (0 SHC) C-L-SHC

II. Major Hours (15 SHC)

A. Technical Core (7 SHC)