EDU 289	Adv. Issues/School-Age	2-0-2

C. Other Major Requirements (22 SHC)

Computers—Take 2 SHC:

CIS 110	Introduction to Computers	2-2-3
	Or	
CIS 111	Basic PC Literacy	1-2-2

EDU 146	Child Guidance	3-0-3
EDU 153	Health, Safety, and Nutrition	3-0-3
EDU 243	Learning Theory	3-0-3
EDU 257	Instructional Strategies/Math	3-0-3
EDU 258	Instructional Strategies/Science	3-0-3
EDU 281	Instructional Strategies/Reading & Writing	3-0-3

Major Electives—Take 2 SHC

EDU 216	Foundations of Education	4-0-4
EDU 235	School-Age Development	3-0-3
EDU 275	Effective Teacher Training	2-0-2

D. Other Requirements (1 SHC)

Student Success—Take 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: 65

Transport Systems Technologies

Automotive Restoration Technology Credential: Diploma in Automotive Restoration Technology D6014000

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 typically from year models 1900 - 1970. 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

Total Semester Hours Credit required for graduation: 46

Automotive Restoration Technology Credential: Certificate in Automotive Restoration Technology C6014000

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 typically from year models 1900 - 1970. 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: 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, 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 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, 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 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**

II. Major Hours (59 SHC)

A. Technical Core Courses (5 SHC)		
TRN 120	Basic Transp Electricity	4-3-5

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

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)

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