

FAYETTEVILLE TECHNICAL COMMUNITY COLLEGE
AUTOMOTIVE SYSTEMS TECHNOLOGY (A60160)

Effective: Fall 2012

Revised: 01/12/12

Length: 5 Semesters
 Prerequisite: High School Diploma, Placement Test Equivalent
 Award: Associate in Applied Science

Fall Semester 1

Prefix No.	Title	Class	Lab	Clinical	Credit
	ACA Elective	1	0	0	1
AUT116	Engine Repair	2	3	0	3
AUT116A	Engine Repair Lab	0	3	0	1
AUT151	Brake Systems	2	3	0	3
AUT151A	Brakes Systems Lab	0	3	0	1
AUT161	Basic Auto Electricity	4	3	0	5
Totals		9	15	0	14

Spring Semester 1

Prefix No.	Title	Class	Lab	Clinical	Credit
AUT181	Engine Performance 1	2	3	0	3
AUT181A	Engine Performance 1 Lab	0	3	0	1
AUT231	Man Trans/Axles/Drtrains	2	3	0	3
AUT231A	Man Trans/Ax/Drtrains Lab	0	3	0	1
PHY122	Applied Physics II	3	2	0	4
	Humanities/Fine Arts Elective	3	0	0	3
Totals		10	14	0	15

Summer Semester 1

Prefix No.	Title	Class	Lab	Clinical	Credit
AUT183	Engine Performance 2	2	6	0	4
AUT281	Adv Engine Performance	2	2	0	3
CIS113	Computer Basics	0	2	0	1
Totals		4	10	0	8

Fall Semester 2

Prefix No.	Title	Class	Lab	Clinical	Credit
AUT141	Suspension & Steering Sys	2	3	0	3
AUT141A	Suspension & Steering Sys Lab	0	3	0	1
AUT163	Adv Auto Electricity	2	3	0	3
AUT163A	Adv Auto Electricity Lab	0	3	0	1
AUT211	Automotive Machining	2	6	0	4
ENG111	Expository Writing	3	0	0	3
Totals		9	18	0	15

Spring Semester 2

Prefix No.	Title	Class	Lab	Clinical	Credit
AUT113	Automotive Servicing 1	0	6	0	2
AUT171	Auto Climate Control	2	4	0	4
AUT221	Auto Transm/Transaxles	2	3	0	3
AUT221A	Auto Transm/Transax Lab	0	3	0	1
COM231	Public Speaking	3	0	0	3
or					
ENG115	Oral Communication	3	0	0	3
PSY118	Interpersonal Psychology	3	0	0	3
Totals		10	16	0	16

TOTAL REQUIRED CREDITS... 68

Co-op Option: Qualified students may elect to take up to one (1) credit hour of Cooperative Education in lieu of one (1) credit hour of Major electives provided they acquire approval from the Department Chairperson and the Co-op Director.

Note: Students may **not** take an introductory foreign language to fulfill the Humanities/Fine Arts requirement.

PROGRAM FACT SHEET

AUTOMOTIVE SYSTEMS TECHNOLOGY

A60160

The Automotive Systems Technology program prepares individuals for employment as automotive service technicians. It provides an introduction to automotive careers and increases student awareness of the challenge associated with this fast and ever-changing field.

Classroom and lab experiences integrate technical and academic course work. Emphasis is placed on theory, servicing and operation of brakes, electrical/electronic systems, engine performance, steering/suspension, automatic transmission/transaxles, engine repair, climate control, and manual drive trains.

After completion of this curriculum, students should be prepared to take the ASE exam and be ready for full-time employment in dealerships and repair shops in the automotive service industry.

Awards

Associate Degree: Automotive Systems Technology (A60160)

Length of Program: 5 Semesters
Prerequisite: High School Diploma, Placement Test Equivalent

Diploma: Not Applicable

Length of Program:
Prerequisite:

Certificate: Automotive Suspension, Brakes, & Heating/Air Conditioning (C60160C1)

Length of Program: 2 Semesters
Prerequisite: High School Diploma, Placement Test Equivalent

Certificate: Automotive Engine Performance Certificate (C60160C2)

Length of Program: 2 Semesters
Prerequisite: High School Diploma, Placement Test Equivalent

Certificate: Automotive Power Trains Certificate (C60160C3)

Length of Program: 2 Semesters
Prerequisite: High School Diploma, Placement Test Equivalent

Certificate: Automotive Electrical/Electronics Systems Certificate (C60160C4)

Length of Program: 2 Semesters
Prerequisite: High School Diploma, Placement Test Equivalent

Certificate: Medium/Heavy Truck Maintenance Certificate (C60160C5)

Length of Program: 3 Semesters
Prerequisite: High School Diploma, Placement Test Equivalent

Cooperative Education Requirements/Opportunities: For cooperative education requirements/opportunities please see the appropriate Program Edplan and/or Sequencing sheet.

License or Certification Information: None Required

Program Information Contact:

Curriculum Chairperson: Brian Oldham

Department Office: Advanced Technology Center,
Room 244

Telephone Number: (910) 678-8260

Telephone: (910) 678-8458

Office Location: Advanced Technology Center, Room 15A

Email: oldhamb@faytechcc.edu

FTCC Web Site: www.faytechcc.edu

Application Deadlines: The program is designed for a student to enter during the fall semester. A student may enter at other times with approval of the Department Chairperson.

Scholarship/Title IV Financial Aid/VA Services: Scholarships/Title IV Financial Aid/Veteran's assistance may be available for associate degrees. Certificates and diplomas that fall under this program/area of study **may or may not be eligible** for Scholarship/Title IV Financial Aid/VA Services. Please contact the Financial Aid Office, Student Center, Room 126; Telephone (910) 678-8242. Veterans Services, Student Center, Room 119, (910) 678-8395.

Child Care Financial Assistance Information:

See Child Care Associate, Student Center, Room 142; Telephone: (910) 678-8486

ATTENTION: If you have missed two (2) consecutive semesters, you must see a counselor to be readmitted into your program.

Revised: 01/12/12