AUTOMOTIVE FORD MOTOR ASSET PROGRAM

Program Code: E.AFT.AAS

Associate in Applied Science (A.A.S.)
Graduation requirement — 71 semester hours

ASSET (Automotive Student Service Educational Training) is a two-year program leading to an Associate in Applied Science degree in Automotive Service Technology. It is a joint effort of Ford Motor Company, Ford and Lincoln dealers, and Parkland College. The ASSET curriculum utilizes periods of classroom work alternating with periods of work experience. Graduates of the ASSET program can enter the workforce as entry-level service technicians with certifications from Ford Motor Company, or transfer earned credits toward a bachelor's degree.

Curriculum for the Automotive Technology degree is based on the Master Automotive Service Technology standards (MAST) set by the Automotive Service Excellence (ASE) Education Foundation.

Students enter the ASSET program each fall semester. Classroom sessions are eight weeks long and alternate with eight-week work sessions. Enrollment in all AFM classes requires approval of the ASSET director.

Students are required to bring a laptop computer to all Ford ASSET (AFM) courses.

Program Note*

General Education electives are chosen from two of the following categories: communications, social/behavioral sciences, humanities/fine arts, mathematics, physical/life sciences. For more information, see General Education requirements on p. 65.

CLASS SEQUENCE FOR THE TWO-YEAR PROGRAM:

August to October (8-weeks) **Cr. Hrs.**
(*classroom instruction 14 credit hours*)

AFM 115	Basic Automotive Electrical/Electronics	6
AFM 156	Dealership Operations	2
COM 103	Introduction to Public Speaking	3
or COM 120	Interpersonal Communication	
ENG 111	Workplace Writing	3
or ENG 101	Composition I	

October to December (8-weeks)
(*co-op work experience in dealership 2 credit hours*)

AFM 256	Directed Co-Op I (Dealership)	2

January to March (8-weeks)
(*classroom instruction 13 credit hours*)

AFM 117	Computer Controls and Scan Tools	4
AFM 118	Noise, Vibration, and Harshness Principles and Diagnosis	2
AFM 153	Brakes and ABS	4
MAT 131	Applied Mathematics	3
or MAT 107	General Education Mathematics	

March to May (8-weeks)
(*co-op work experience in dealership 2 credit hours*)

AFM 257	Directed Co-Op II (Dealership)	2

May to July (8-weeks)
(*classroom instruction 11 credit hours*)

AFM 253	Steering and Suspension Systems	3
AFM 217	Climate Control Systems	4
AFM 132	Internal Combustion Engines	4

August to October (8-weeks)
(*co-op work experience in dealership 2 credit hours*)

AFM 258	Directed Co-Op III (Dealership)	2

October to December (8-weeks)
(*classroom instruction 13 credit hours*)

AFM 252	Engine Performance	8
AFM 134	Electrified Powertrains and Multiplex Systems	2
General Education elective*		3

January to March (8-weeks)
(*co-op work experience in dealership 2 credit hours*)

AFM 259	Directed Co-Op IV (Dealership)	2

March to May (8-weeks)
(*classroom instruction 12 credit hours*)

AFM 112	Manual Transmission and Drive Trains	4
AFM 233	Automatic Transmissions	5
General Education elective*		3
Total Semester Credit Hours		*71*

Recommended Course

AFM 270	Diesel Engine Operations	3