

Automotive Technology – Associate of Applied Science

PROGRAM GUIDE

FRESHMAN: FIRST SEMESTER

Course Name

Shop Orientation/Safety
Suspension & Steering I
Wheel Alignment Diagnosis & Repair
Brakes I
Brakes II*
Tire
Maintenance
Technical Writing (or Communications Elective)
Student Success Seminar (Required)

FRESHMAN: SECOND SEMESTER

Course Name

Electrical I
Automotive Electronics
Batteries Starting/Charging Systems
Engine Performance I
Engine Performance II
Hybrid & Electric Vehicles*
Computer Fundamentals (or Natural & Applied Science Elective)

SOPHOMORE: FIRST SEMESTER

Course Name

Manual Transmission, Clutches, & Transaxle Transfer Case Service I
Automatic Transmissions & Transaxle Service I
Automatic Transmission Service II
Advanced Automatic Transmission Repair & Improvement*
Personal Finance (Required)
Technical Math or Technical Math w/review (or Math Elective)

SOPHOMORE: SECOND SEMESTER

Course Name

Advanced Engine Performance*
Driveline Service & Rear Axle Diagnosis & Repair
AC & Heating Ventilation Systems
Engine Diagnosis Skills & Replacement
Cylinder Head & Valve Train Diagnosis & Repair
Engine Block Assembly Diagnosis & Repair
Lube/Cooling System Diagnosis & Repair
Workplace Ethics (or Gen Ed Elective)