DEKALB TECHNICAL COLLEGE

Clarkston Campus

AUTOMOTIVE TECHNOLOGY
TECHNICAL CERTIFICATES OF CREDIT

The Automotive Technology Technical Certificates of Credit programs are sequences of courses designed to prepare students for careers in the automotive service and repair profession. Learning opportunities develop academic, technical, and professional knowledge and skills required for job acquisition, retention, and advancement. The programs emphasize a combination of automotive mechanics theory and practical application necessary for successful employment as automotive technicians, service advisors, or in management.

SUSPENSION AND STEERING TECHNICIAN

Course Number	Course	Class Hours	Lab Hours	Total Hours	Credit Hours	Prerequisites/Corequisites
AUT 120	Introduction to Automotive Technology	20	30	50	3	
AUT 122	Electrical and Electronic Systems	40	60	100	6	AUT 120
AUT 132	Suspension and Steering Systems	30	30	60	4	AUT 122
AUT 216	Adv Elec Controlled Suspension/Steering	30	30	60	4	AUT 132

CIP CODE: 47.060401 **MAJOR CODE: SP01** **REQUIRED CREDIT HOURS: 17** **10/07**

The curriculum is subject to change to meet changing conditions. As set forth in its catalog, DeKalb Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, veteran status, or citizenship status (except in those special circumstances permitted or mandated by law).

AUTOMOTIVE TECHNOLOGY COURSE DESCRIPTIONS

AUT 120 - INTRO TO AUTOMOTIVE TECHNOLOGY (3)
Introduces basic concepts and practices necessary for safe and effective automotive shop operation. Topics include: safety procedures; legal/ethical responsibilities; shop organization, management, and work flow systems; measurement techniques; and hand tools.

AUT 122 - ELECTRICAL & ELECTRONIC SYSTEMS (6)
Prerequisite/Corequisite: AUT 120
Introduces automotive electricity. Topics include: general electrical system diagnosis; lighting system diagnosis and repair; gauges, warning devices, and driver information system diagnosis and repair; horn and wiper/washer diagnosis and repair; accessories diagnosis and repair.

AUT 132 - SUSPENSION AND STEERING SYSTEMS(4)
Prerequisite/Corequisite: AUT 122
Introduces students to principles of steering, suspension, wheel alignment, electronic steering, and electronic active suspension. Topics include: steering systems diagnosis and repair; wheel alignment diagnosis, adjustment and repair; wheel/tire diagnosis and repair; suspension systems diagnosis and repair.

AUT 216 - ADVANCED ELECTRONIC CONTROLLED SUSPENSION/ STEERING (4)
Prerequisite/Corequisite: AUT 132
Introduces principles of electronic suspension, electronic steering, and electronic active suspension. Topics include: electronic steering systems diagnosis and adjustment/ repair, and diagnosis of electrical and electronic controlled steering and suspension systems.

ESTIMATED PROGRAM COSTS

SUSPENSION AND STEERING SYSTEMS REPAIR TECHNICIAN

Tuition/Fees	$544.00
Books	140.00
Supplies	100.00
Total	**$784.00**

Tuition/fees and cost of books/supplies are estimates only and are subject to change without notice. Tuition is based on Georgia residency.
10/07