

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.

BRAKES 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 130	Automobile Brake Systems	30	30	60	4	AUT 122
AUT 214	Adv Elec Controlled Brake Sys Diagnosis	30	30	60	4	AUT 130

CIP CODE: 47.060401

MAJOR CODE: BK01

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 130 - AUTOMOTIVE BRAKE SYSTEMS (4)

Prerequisites: AUT 122
Introduces Brake systems theory and its application to automotive systems. Topics include: hydraulic system diagnosis and repair; drum brake diagnosis and repair; disc brake diagnosis and repair; power assist units diagnosis and repair; miscellaneous (wheel bearings, parking brakes, electrical, etc.) diagnosis and repair.

AUT 214 - ADVANCED ELECTRONIC CONTROLLED BRAKE SYSTEM DIAGNOSIS (4)

Prerequisite/Corequisite: AUT 130
Introduces anti-lock brake system (ABS) to include ABS components and ABS operation, testing, and diagnosis. Topics include: general brake and anti-lock brake systems diagnosis and testing, light truck rear anti-lock brake system, four-wheel anti-lock brake systems locations, components, and operation.

ESTIMATED PROGRAM COSTS

BRAKES 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