

DEKALB TECHNICAL COLLEGE
Clarkston Campus

**AUTOMOTIVE TECHNOLOGY
ENGINE REPAIR TECHNICIAN**

TECHNICAL CERTIFICATE 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.

<u>Course Number</u>	<u>Course</u>	<u>Class Hours</u>	<u>Lab Hours</u>	<u>Total Hours</u>	<u>Credit Hours</u>	<u>Prerequisites/Corequisites</u>
AUT 120	Introduction to Automotive Technology	20	30	50	3	
AUT 122	Electrical and Electronic Systems	40	60	100	6	AUT 120
AUT 126	Engine Principles of Operation/Repair	30	90	120	6	AUT 120

CIP CODE: 47.060401

MAJOR CODE: NR01

REQUIRED CREDIT HOURS: 15

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 126 - ENGINE PRINCIPLES OF OPERATION AND REPAIR (6)

Prerequisite: AUT 120

Introduces automotive engine theory and repair, placing emphasis on inspection, testing, and diagnostic techniques. Topics include: general diagnosis; removal and reinstallation; cylinder heads and valve trains diagnosis and repair; engine blocks assembly diagnosis and repair; lubrication and cooling systems diagnosis and repair.

ESTIMATED PROGRAM COSTS

ENGINE REPAIR TECHNICIAN

Tuition/Fees.....	\$544.00
Books.....	110.00
Supplies.....	100.00
Total.....	\$754.00

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