

AUTOMOTIVE TECHNOLOGY

CAREER PATHWAYS CERTIFICATE – AUTOMOTIVE BASIC TECHNICIAN – 33 CREDITS

CAREER DESCRIPTION

The Automotive Program is designed to provide basic skills and technical knowledge required to achieve an entry-level position as an Automotive Technician. Courses offered may be transferred to other community colleges and four-year schools. A basic tool set is required of all entering students and a list of those required tools are available from the automotive instructors. UCC offers Automotive Certificates and AAS options.

Minimum GPA in automotive classes shall be 2.00.

For current program requirements, students are strongly urged to consult with a member of the automotive staff or an advisor. Automotive courses are offered in four- to six-week modules. Check the class schedule to determine

the sequence of courses and the order in which they will be taught each year. The UCC Automotive program is accredited by the National Automotive Technical Education Foundation.

PROGRAM OUTCOMES

The technical knowledge required to achieve an entry-level position as an Automotive Technician to meet current industry standards require courses that enhance critical problem solving and advance practical diagnostic skills.

Students who successfully complete the Automotive Basic Technician Pathways Certificate will:

1. Apply fundamentals of automotive service training, including the basics of automotive diagnostics and repair, pre-delivery inspection and warranty repair procedures
2. Identify, inspect, disassemble and assemble basic components of automotive power plants
3. Apply knowledge of the function, construction, operation, troubleshooting and service of disc, drum and ABS brake systems
4. Apply knowledge of electrical principles, semi-conductors, microprocessors and wiring diagrams to diagnose and repair malfunctions of automotive electrical systems
5. Apply knowledge of the function, construction, operation, troubleshooting and service of front and rear wheel drive manual and automatic transmissions and transaxles

PATHWAYS CERTIFICATE — Automotive Basic Technician

33 Credits — Recommended Sequence for Students (Students should see an advisor to customize their educational plan.)

SEQUENCE

Orientation to
Automotive Technology
AUT 100 1 CR

Internal Combustion
Engines
AUT 151 6 CR

Automotive Brakes
AUT 155 6 CR

Power Trains
AUT 161 5 CR

Automotive Electricity I
AUT 168 5 CR

Automotive Electricity II
AUT 169 5 CR

Automotive Electricity III
AUT 170 5 CR

CREDITS
33

NOTES

Scheduling requirements may prevent all courses from being offered every term. Consultation with an advisor is critical to student's selection of courses.

Please see an advisor for a degree planning worksheet for this program.