

AUTOMOTIVE TECHNOLOGY

CAREER PATHWAYS CERTIFICATE – AUTOMOTIVE ADVANCED TECHNICIAN – 31 CREDITS

CAREER DESCRIPTION

Students should have received the Basic Technician certificate before pursuing this certificate. This is a continuation of the skills learned in Basic Technician. 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, you 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 Advanced Technician Pathways Certificate will:

1. Apply knowledge of the function, construction, operation, troubleshooting and service of steering, suspension, and wheel alignment
2. Use electronic engine analyzers and scanners to test and tune ignition, fuel injection, and emission systems
3. Apply fundamentals of automotive service training, including the basics of automotive diagnostics and repair, pre-delivery inspection and warranty repair procedures
4. Identify, inspect, disassemble and assemble basic components of automotive power plants
5. Apply knowledge of the function, construction, operation, troubleshooting and service of front and rear wheel drive automatic transmissions and transaxles
6. Test, service, and repair heating and air-conditioning systems

PATHWAYS CERTIFICATE — Advanced Automotive Technician

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

SEQUENCE

Suspension and Alignment
AUT 250 5 CR

Electronic Engine
Controls I
AUT 259 5 CR

Electronic Engine
Controls II
AUT 260 5 CR

Climate Control
Systems
AUT 286 5 CR

Electronic Engine
Controls III
AUT 289 5 CR

Automatic
Transmissions
AUT 263 6 CR

CREDITS
31

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.