

PROCESS FOR ADMISSION

Whether you are planning to study full- or part-time, you must submit an admission application (free of charge) to the Student Records Office. An online application is available at www.mccc.edu. A print version may be requested by calling the Admissions Office at 609-570-3795. Applications submitted by regular mail should be sent to: Student Records Office, Mercer County Community College, P.O. Box B, Trenton, NJ 08690.

Students must also contact their high school or previous/current college and request that official transcripts be sent to the same address.

Regular acceptance to the college is required for all Automotive Technology students. After being accepted to the college, students should schedule a meeting with the Automotive Technology program coordinator to complete their course schedule. Automotive courses are limited to automotive students only, and require department authorization for registration.

Students may also be required to take an academic placement test (free of charge) in English and/or math. The two-hour test is self-administered and does not affect admission to the college. Certain scores on the SAT/ACT or your transcript from another college may exempt you from portions of the test.

After completing any required placement tests, students must meet with Automotive Technology faculty to complete their course schedule.

APPROVED FOR VETERANS

MCCC is an approved institution for veterans' training under various GI bills. For more information, call 609-570-3240.

CONTACT US

We encourage you to visit the college and meet with faculty and staff. To arrange a campus tour or request additional information, contact the Admissions Office on either campus.

MCCC Admissions Office: 609-570-3795 (Mon. to Fri., 9 a.m. - 5 p.m.)
Visit the college's website www.mccc.edu

To contact Mercer's Automotive Technology Program:
Jason Evans - Automotive Technology Program Coordinator
609-570-3776 | evansj@mccc.edu

www.mccc.edu/automotive

AUTOMOTIVE TECHNOLOGY PROGRAM



Moving You Forward >>>



AUTOMOTIVE TECHNOLOGY

Associate in Applied Science Degree

Mercer County Community College's Automotive Technology program is preparing a new generation of automotive technicians to meet the challenges of an ever-changing industry.

Students may choose from three tracks: The Comprehensive Program, Mopar Career Automotive Program (MCAP), and Subaru University. In all programs, students learn about current automotive systems and related diagnostic and service techniques in classroom and lab settings. The curriculum's internship component gives students the valuable experience of using what they have learned in a real world setting while they develop professionalism and a strong work ethic.

Successful graduates of the program will be able to:

- Diagnose, repair, and service current automotive technologies using late model vehicles;
- Demonstrate desirable attitudes and work habits while working individually or with others;
- Obtain service repair information and procedures from websites and electronic databases;
- Communicate effectively and professionally with customers and fellow technicians.

Graduates earn an Associate in Applied Science (A.A.S.) degree that prepares them for a career as an automotive technician or helps them advance in other areas of automotive technology. Those who earn their associate degree will find themselves better prepared for promotions, management and additional educational opportunities.



FROM TOP...

A COMPREHENSIVE PROGRAM

This program establishes a broad understanding of systems used in late model passenger vehicles. Students study theory, operation, diagnosis, and repair of all systems designed in today's vehicles. In addition to taking several courses to fulfill MCCC's general education requirements, students complete a variety of classes in the automotive field, including lectures and hands-on lab activities. Lab activities are held in Mercer's Auto Shop, where students utilize tools and equipment typically found in new car dealerships.

In addition, students are required to complete internships by securing an apprentice position at an approved service facility. There, they will earn money while gaining practical knowledge in an industry setting. Site options include independent, franchise, chain or dealership service facilities.

TO BOTTOM...



AUTOMOTIVE TECHNOLOGY



COLLABORATION WITH LOCAL INDUSTRY

The Automotive Technology program works closely with area new car dealerships to provide students with paid internships that often become full-time job offers upon graduation. In a new partnership, Haldeman Automotive Group provides the enhanced benefits of tool purchase and tuition assistance programs. Qualifying students can complete their required internships at any one of four Haldeman locations: Haldeman Lexus of Princeton, Haldeman Subaru, and either of the two Haldeman Ford dealerships.

MOPAR CAREER AUTOMOTIVE PROGRAM (MCAP)

This program introduces students to the theory and operation of systems currently in use in today's passenger vehicles. Unlike the Comprehensive Program, MCAP focuses on technology specific to vehicles manufactured by Fiat Chrysler Automobiles (FCA). Students learn from FCA-trained instructors in both classroom lectures and lab activities in Mercer's Auto Shop. In addition to fulfilling MCCC's general education and automotive requirements, MCAP students are required to complete FCA self-studies.

In addition, students must complete internship requirements by securing positions as apprentice technicians at a Chrysler, Dodge, Jeep, Ram, or Fiat dealership. At the dealership, students earn money while supplementing their classroom knowledge with practical experience. They also build working relationships that are useful when seeking full-time employment. Many MCAP students remain at their sponsoring dealerships after graduation. In addition to earning their A.A.S. degrees, MCAP students earn numerous certifications from FCA. This additional training enhances job prospects with dealerships, which recognize the benefits of hiring service technicians who possess factory training certificates.

Curriculum

| Code | Course (lecture/lab hours) | Credits |
|------------------------|---|---------|
| FIRST SEMESTER | | |
| AUT 110 | Introduction to Automotive Electronics (3/1) | 3 |
| AUT 111 | Automotive Service Fundamentals (2/6) | 5 |
| CSW 100 | College Success and Personal Wellness (2/0)† | 2 |
| ENG 101 | English Composition I (3/0) | 3 |
| SECOND SEMESTER | | |
| AUT 112 | Automotive Fuel Systems (2/2) | 3 |
| AUT 113 | Suspension, Steering and Alignment (2/4) | 4 |
| MAT 140 | Applied College Algebra (4/0) ¹ | 4 |
| SUMMER SESSION | | |
| AUT 115 | Automotive Brake Systems (2/4) | 4 |
| AUT 122 | Internship in Automotive Technology I | 1 |
| AUT 212 | Automotive Air Conditioning (2/2) | 3 |
| ENG 112 | English Composition II with Speech (3/0) | 3 |
| THIRD SEMESTER | | |
| AUT 114 | Automotive Electricity and Electronics (2/2) | 3 |
| AUT 123 | Internship in Automotive Technology II | 1 |
| AUT 213 | Engine Service (2/4) | 4 |
| PHY 111 | Physical Science Concepts (2/2) | 3 |
| FOURTH SEMESTER | | |
| AUT 211 | Automotive Emissions and Driveability Diagnosis (2/2) | 3 |
| AUT 221 | Internship in Automotive Technology III | 1 |
| AUT 224 | Manual Transmissions and Drivelines (2/3) | 3 |
| — | — General Education elective ² | 3 |
| SUMMER SESSION | | |
| AUT 222 | Internship in Automotive Technology IV | 1 |
| AUT 225 | Automatic Transmission Service (2/3) | 3 |
| IST 101 | Computer Concepts with Applications (2/2) OR | 3 |
| IST 102 | Computer Concepts with Programming (2/2) | 3 |
| — | — General Education elective ³ | 3 |
| | | 66 |

NOTE: Electives should be selected in consultation with an academic advisor in order to assure maximum transfer of credits.

¹ Or higher-level mathematics course.

² Select course from either Social Science or Humanities general education categories.

³ Select course from the following general education categories: Social Science, Humanities, Historical Perspective, Diversity and Global Perspective.

† Some exemptions apply. Consult academic advisor for details.

SUBARU UNIVERSITY

Subaru University students follow a similar learning format to the one described for the Comprehensive Program. In addition, Subaru University students have access to Subaru factory training and must also complete their internship requirements at a Subaru dealership of their choice. Students who graduate from Subaru University earn a Associate of Applied Science Degree, Subaru factory training, and valuable hands-on work experience at a Subaru dealership.

FACILITIES

Lab activities take place at Mercer's Auto Shop, which houses the latest tools and other equipment utilized in a typical new car dealership or auto repair shop. The Auto Shop is located at the Assunpink Campus of the Mercer County Technical Schools, across from MCCC's West Windsor Campus on Old Trenton Road.

ADMISSION REQUIREMENTS

Admission to the program requires a high school diploma or its equivalent and a strong interest in a career in automotive technology. Admission is competitive and determined based on skill levels, and a personal interview with program representatives. Any required academic foundation classes should be completed before starting automotive classes.

The program may be completed in two years beginning in the fall semester. Summer attendance is required each year. Automotive courses are concentrated and are generally held two days per week. This allows students ample time outside of automotive courses to complete academic requirements, in addition to internship requirements in applicable semesters.

Note: Because of the program's internship component, prospective students must be eligible to work legally in the United States to complete the degree.

MCCC HIGHLIGHTS

Mercer offers flexible scheduling for working students. Many of the required academic classes can be taken in the evening or on weekends in the spring, summer and fall semesters.

Mercer's affordable tuition makes college possible. MCCC students save many thousands of dollars compared to costs at a four-year school. Mercer offers an array of scholarships and financial aid opportunities.

Academic classes may be taken on either the West Windsor Campus or the James Kerney Campus in downtown Trenton. Some classes may also be taken through MCCC's MercerOnline via Internet.

Students are Mercer's top priority. Classes are small and students receive individual attention from a faculty that is dedicated to student success. Academic advising, career and personal counseling, and tutoring are available as needed.

For those who wish to pursue a career immediately after earning their associate degree, Mercer's A.A.S. programs are designed for direct entry into the workforce with specific focus on job readiness. Mercer's Automotive Technology students enjoy a near 100 percent full-time employment placement rate upon program graduation.

For those interested in transferring for their bachelor's degree, Mercer offers dual admissions and other transfer agreements both in New Jersey and across the country. Studies show that those who transfer from a community college do as well as or better than students who begin at four-year schools. More than half of MCCC graduates transfer for their bachelor's degrees.

Mercer students utilize the latest computer technology. There are 50 computer labs and more than 1,000 workstations available for student use.

MCCC participates in the NJ STARS program, a state initiative that offers free community college tuition to eligible high school graduates. For more information, visit www.njstars.net and click on NJ STARS or see your high school guidance counselor.

FINANCIAL MATTERS

In addition to tuition, lab fees, and textbooks, automotive students are required to purchase an affordable, good quality, basic mechanic's hand-tool set to be used primarily during their internship. This tool set will also be helpful when students begin their full-time jobs in the industry after graduation. Discounts on tools are available through vendors that have agreements with the college.

Current tuition rates and associated fees may be found on the college website at www.mccc.edu or by calling the Admissions Office at 609-570-3795. Students wishing to apply for financial aid and/or available scholarships should call the Financial Aid Office at 609-570-3210, email finaid@mccc.edu, or visit www.mccc.edu.

While the college does not offer on-campus housing, Mercer may be of assistance in directing students to local housing if needed.