

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.

Once accepted, students should arrange an interview with the coordinator of the Automotive Technology Program. During the interview, you will be required to complete a short mechanical competency exam, which typically takes no more than 40 minutes.

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 taking the placement test, students meet with an advisor to select their courses and then register for classes.

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 at 609-570-3795
(Monday-Friday, 9:00 am - 5:00 pm)

Visit the college's website www.mccc.edu
Trenton, New Jersey 08690 (609) 586-4800

To contact Mercer's Automotive Technology Program Coordinator Fred Bassini, call 609-570-3776, email bassinif@mccc.edu, or visit www.mccc.edu/automotive.



Automotive Technology

Associate in Applied Science Degree

Get **Academic Solutions** at Mercer



Program Overview

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 two tracks: the Comprehensive Program and the Chrysler College Automotive Program (CAP). In both 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 (AAS) degree that prepares them for careers as automotive technicians 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.

Comprehensive Program

This program establishes a broad understanding of systems used in late model passenger vehicles. Students will 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 will take 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 will utilize tools and equipment typically found in new car dealerships.

In addition, students are required to complete an internship 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.

Chrysler College Automotive Program (CAP)

This program introduces students to the theory and operation of systems currently in use in today's passenger vehicles. Unlike the Comprehensive Program, CAP focuses on technology specific to vehicles manufactured by Chrysler LLC. Students learn from Chrysler-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, CAP students are required to complete Chrysler self-studies. Much of this literature is supplied to students free of charge by Chrysler LLC.

In addition, students must complete internship requirements by securing positions as apprentice technicians at a Chrysler, Dodge or Jeep 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 CAP students remain at their sponsoring dealerships after graduation.

In addition to earning their AAS degrees, CAP students earn numerous certifications from Chrysler. This additional training enhances job prospects with dealerships, which recognize the benefits of hiring service technicians who possess factory training certificates.



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, program-specific testing, 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. Instruction is organized in a concentrated two-day/three-day session format. Students attend automotive classes Mondays and Wednesdays or Tuesdays and Thursdays, completing academic classes in the afternoon or evening. Each session includes an eight-week internship at a dealership or approved repair facility.

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

Course Requirements

Curriculum

Code	Course (lecture/lab hours)	Credits
AUT 110	Introduction to Automotive Electronics (3/1)	3
AUT 111	Automotive Service Fundamentals (2/6)	5
ENG 101	English Composition I (3/0)	3
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
AUT 122	Internship in Automotive Technology I	1
AUT 211	Automotive Emissions and Driveability Diagnosis (2/2)	3
AUT 212	Automotive Air Conditioning (2/2)	3
ENG 112	English Composition II with Speech (3/0)	3
AUT 115	Automotive Brake Systems (2/4)	4
AUT 114	Automotive Electricity and Electronics (2/2)	3
AUT 123	Internship in Automotive Technology II	1
HPE 110	Concepts of Health and Fitness (1/2)†	2
—	— General Education elective ²	3
AUT 213	Engine Service (2/4)	4
AUT 221	Internship in Automotive Technology III	1
AUT 224	Manual Transmissions and Drivelines (2/3)	3
PHY 111	Physical Science Concepts (2/2)	3
AUT 222	Internship in Automotive Technology IV	1
AUT 225	Automatic Transmission Service (2/3)	3
IST 101	Computer Concepts with Applications (2/2)	3
	OR	
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.

†HPE 111 is an acceptable alternative.

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 Virtual College via internet or television.

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 AAS programs are designed for direct entry into the workforce with specific focus on job readiness.

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 that is 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.

