NICOLET COLLEGE

Automotive Service Technician

Technical Diploma

Learn skills necessary for entry-level automotive industry positions such as basic automotive maintenance, repair, and diagnostics. Test, diagnose, and service electrical and mechanical systems and components found in today's vehicles, including engines, transmissions/transaxles, fuel management systems, steering and suspension systems, climate control systems, brake systems, and hybrids.

Program Outline

TERM 1

Course #	Course Title	Credits
3180410100	Math Skills Develops skills in using mathematics principles, essential to the technical service and production workplace, through applied learning contexts. Content includes whole numbers, fractions, percent, graphs, and fundamentals of algebra. Corequisite: 1044210300 Print Reading.	1.00
3180410200	Geometry Skills Develops skills in using mathematics principles, essential to the technical service and production workplace, through applied learning contexts. Content includes geometry and trigonometry, and tools and techniques for precision measurement. Corequisite: 1044210300 Print Reading.	1.00
3240430100	Automotive Safety Student will demonstrate competence in automotive safety. This is part of the Maintenance and Light Repair ASE G1.	1.00
3240430200	Automotive Service Fundamental Procedures Student will demonstrate basic automotive service procedures. This is part of the Maintenance and Light Repair ASE G1.	1.00
3240430400	Electrical Principles Student will summarize electrical principles. his is part of the Maintenance and Light Repair Certification ASE G1.	1.00
3240430600	Automotive Electrical Wire Repair Student will perform basic electrical testing procedures. his is part of the Maintenance and Light Repair Certification ASE G1.	1.00
3240430800	Steering, Suspension, Inspection, and Light Repair Student will inspect, diagnose, and repair steering and suspension systems. This is part of the Maintenance and Light Repair ASE G1.	1.00
3240440100	Wheel and Tire Service Student will perform diagnosis and repair of wheel and tire systems. This is part of the Maintenance and Light Repair ASE G1.	1.00
3240431000	Wheel Alignment Student will perfrom wheel alignment inspection and repair. This is part of the Maintenance and Light Repair ASE G1.	1.00

Course #	Course Title	Credits
1044214000	Intro to Welding Techniques Students will explore and perform basic welding techniques.	1.00
3240431300	Battery and Lighting Systems Student will diagnose, service, and repair automotive battery and lighting systems. This is part of the Maintenance and Light Repair Certification ASE G1.	1.00
3240431500	Starting and Charging Systems Student will diagnose, service, and repair automotive charging and starting systems. This is part of the Maintenance and Light Repair Certification ASE G1.	1.00
3240431700	Automotive HVAC Systems Student will perform general A/C diagnosis and repair. This is part of the Maintenance and Light Repair Certification ASE G1.	1.00

TERM 2

Course #	Course Title	Credits
3189010400	Professional Skills for Success This course provides the opportunity to develop the knowledge, skills, and understanding of what it takes to become a professional employee. This course will focus on the development the interpersonal skills of emotional intelligence, communication, teamwork, negotiation, conflict resolution, problem solving, and decision making in a professional setting.	1.00
3189010700	Ethics for the Workplace This course offers the opportunity to develop your ability to recognize and make ethical decisions in the workplace. The focus will be on the recognition and development of values. Expansion of ethical values will focus on demonstrating respect through dignity, diversity, and equality while enhancing guiding actions with the principles of confidentiality, honesty, and transparency in business and in conduct towards others.	1.00
3240441500	Engine Repair Mechanical System Student will perform engine mechanical diagnosis procedures. This is part of the Maintenance and Light Repair ASE G1.	1.00
3240442000	Engine Lubrication Systems Student will perform diagnosis and repair of the lubrication systems. This is part of the Maintenance and Light Repair ASE G1.	1.00
3240442500	Engine Cooling Systems Student will perform diagnosis and repair of the cooling systems. This is part of the Maintenance and Light Repair ASE G1.	1.00
3240443000	Drum Brakes Student will perform diagnosis and repair of drum brake systems. This is part of the Maintenance and Light Repair ASE G1.	1.00
3240443600	Disc Brakes Student will perform diagnosis and repair of disc brake systems. This is part of the Maintenance and Light Repair ASE G1.	1.00
3240432500	Engine Performance Maintenance Students will perform general diagnosis and repair procedure of engine performance systems. This is part of the Maintenance and Light Repair Certification ASE G1.	1.00
3240432700	Manual Drivetrain Fluid Service and Repair Student will perform fluid service and diagnosis and drive shaft & CV shaft diagnosis & repair. This is part of the Maintenance and Light Repair ASE G1.	1.00

Course #	Course Title	Credits
3240433000	Automatic Transmission Service Student will perform basic automatic transmission/transaxle diagnosis and fluid service. This is part of the Maintenance and Light Repair ASE G1.	1.00
3240433800	Automotive Service Professional Simulation 1 Students will practice entry-level service technician skills.	1.00
3240434200	Hydraulic and Mechanical Brake Systems Student will perform diagnosis and repair of master cylinders, brake lines, brake power assist units, and electronic brake control systems. This is part of the ASE A5 Certification.	1.00
3240436600	Automotive Occupational Operations Student will explore automotive occupational operations	1.00

Total Credits: 26.00

Talk with a Success Coach about the program outline. Together, you will determine if credits you've already earned satisfy any requirements, discuss possible alternative courses, and choose the best classes if you're thinking of transferring.

At A Glance

How You'll Learn

Next Academic Start Dates

11
JAN

Spring 2027 Term Starts

15
MAR

Additional Spring 2027 Start for Select Courses

VIEW FULL CALENDAR

What is Competency-Based Education?

Competency-Based Education (CBE) is learning at your own pace by mastering competencies through demonstration. Once all competencies for a program have been assessed and mastered, students will earn a certificate, diploma, or degree.

LEARN MORE ABOUT CBE

Program Tuition*

$6,331

Books & Supplies*

$443

*Total cost for degree completion is estimated by current course requirements, books, and supplies. Tuition and fees are set by the Wisconsin Technical College System and subject to change.

Financial Aid Eligible

▸ Potential Indirect Costs

What You'll Learn

- Demonstrate professionalism appropriate for the auto service industry
- Perform maintenance and light repair of automotive brake systems
- Perform maintenance and light repair of automotive electrical & electronic systems
- Perform maintenance and light repair of automotive steering and suspension systems

Your Potential Careers

- Automotive Service Technician

Median Annual Salary

$38,394	$39,798	$39,946
Local	State	National

EMSI 2022.1

Get Started

Your application can be submitted online, it takes just a few minutes to complete.

APPLY NOW