

**LANSING COMMUNITY COLLEGE**

**Computer, Engineering/Manufacturing Industrial Technologies**

**Curriculum Code: 1793  
(Effective Fall 2018 –  
Summer 2023)**

**Automotive Technology: Brakes and Suspension  
Systems Specialist C.C. Pathway**

There is a need for highly skilled automotive technicians because automobiles are more complex than ever, and are being kept for a record-breaking length of time. This Brakes and Suspension Certificate will give students the training needed to diagnose, repair, and maintain the automobiles of today, as well as the automobiles of tomorrow. Certificate holders may improve their employment opportunities for advancement in this or a related area. Students will study theory and operation, diagnosis, repair, and maintenance of modern automobile Brakes/ABS and Suspension systems. Students will be trained with the newest and latest tools and equipment in a realistic hands-on laboratory environment. Approximately 70% of the instruction is hands-on laboratory time, and all lab and lectures feature class sizes of less than 16 students to provide generous personal interaction with your instructors. All instructors are ASE certified, and bring their extensive years of experience working within the automotive repair industry to the classroom. Students have the opportunity throughout this program to take State of Michigan as well as the nationally recognized ASE tests to become a certified automotive technician. To assist students with their career goals, LCC Automotive covers the cost of State and ASE tests for these specialty areas. Most automotive textbooks are provided as part of this Certificate. The Automotive Technology Program is a National Automotive Technicians Education Foundation (NATEF) Certified Training Program, evaluated by the National Institute for Automotive Service Excellence (ASE). The Automotive Program is a Snap-On Diagnostics Training Center and a member of the National Alternative Fuels Training Consortium (NAFTC). Not all courses in this program transfer to all colleges. Students planning to transfer should see an academic advisor before enrolling in any course.

**For More Information**

Contact the Automotive Technology Program, West Campus Building, Room M103, telephone number (517) 267-6406, or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5452.

<b>Semester I</b>	<b>Course Title</b>	<b>Prerequisites</b>	<b>Credit/Billing Hours</b>
<b>Program of Study Requirements</b>			
AUTM 102	Automotive/Collision Safety	Reading Level 3 and Writing Level 2 and Math Level 3	1 / 1
AUTM 111	Automotive Electrical I	Minimum 2.0 in ((AUTM 102 or concurrently) or AUTM 101) and Reading Level 3 and Writing Level 2 and Math Level 3	4 / 6
AUTM 141	Braking Systems and ABS	Minimum 2.0 in ((AUTM 111 or concurrently) or AUTM 110) and Reading Level 3 and Writing Level 2 and Math Level 3	4 / 6

AUTM 151	Suspension and Steering	Minimum 2.0 in ((AUTM 111 or concurrently) or AUTM 110) and Reading Level 3 and Writing Level 2 and Math Level 3	4 / 6
<b>Credits</b>			<b>13 / 19</b>
<b>Total Credits</b>			<b>13 / 19</b>