

**CERTIFICATE OF ACHIEVEMENT**

This program prepares students for entry level careers as heavy-line repair technicians. Students completing this Certificate will be able to diagnose, remove, disassemble, repair and/or replace and reassemble manual and automatic transmissions, transaxles, differential, clutches, transfer and axle units. Additionally, students will be able to perform engine mechanical diagnosis, disassembly/reassembly and other engine related heavy service. Students will be knowledgeable and proficient in safe operating procedures in the lab, in the use of hand and power tools, DVOM's, scan tools, electronic service information systems, and in general knowledge of automotive industry.

**STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:**

- The student will understand, identify and implement safe working procedures and successfully pass the SP/2 examinations.
- The student will successfully pass the ASE/NATEF End of Program (EOP) exams or the ASE Certification exams in the following areas: Electrical, Engine Repair, Manual Transmissions, Automatic Transmissions.

**GENERAL EDUCATION REQUIREMENTS (3 Credits):**

	CR	SEMESTER
<b>COMMUNICATIONS:</b> BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____

**SPECIAL PROGRAM REQUIREMENTS (30 Credits):**

	CR	SEMESTER
<b>AUTO 105B</b> Automotive Maintenance I	4	_____
<b>AUTO 115B</b> Automotive Electricity and Electronics I	4	_____
<b>AUTO 117B</b> Advanced Automotive Electronics	4	_____
<b>AUTO 136B</b> Engine Repair	5	_____
<b>AUTO 205B</b> Manual Drivetrain and Axles	4	_____
<b>AUTO 216B</b> Automatic Transmissions	5	_____
<b>AUTO 245B</b> Powertrain Removal and Replacement	4	_____

Computation included in AUTO 115B

Human Relations included in AUTO 115B

**NOTE:** Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. AUTOHVYLCT

**33**  
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Guided Pathway**  
**Certificate of Achievement – (CA)**  
**AUTOMOTIVE TECHNOLOGY-HEAVY-LINE SPECIALIST**  
**Total Credits 33**

<b>First Semester</b>	<b>Requirement</b>	<b>Credit Hours</b>	<b>Term</b>
BUS 108	Communications	3	
AUTO 105B	Automotive Maintenance I	4	
AUTO 115B	Automotive Electricity/Electronics I	4	
AUTO 117B	Advanced Automotive Electronics	4	
	<b>TOTAL</b>	15	
<b>Second Semester</b>	<b>Requirement</b>	<b>Credit Hours</b>	<b>Term</b>
AUTO 136B	Engine Repair	5	
AUTO 205B	Manual Drivetrain/Axles	4	
AUTO 216B	Automatic Transmissions	5	
	<b>TOTAL</b>	14	
<b>Third Semester</b>	<b>Requirement</b>	<b>Credit Hours</b>	<b>Term</b>
AUTO 245B	Power Train Removal/Replacement	4	
	<b>TOTAL</b>	4	
	<b>Certificate TOTAL</b>	<b>33</b>	