

# Automotive Technology

Student Name \_\_\_\_\_

Enrollment Date \_\_\_\_\_ Academic Year \_\_\_\_\_

Emplid \_\_\_\_\_ Scores: Math \_\_\_\_\_

Reading \_\_\_\_\_

Writing \_\_\_\_\_

## CERTIFICATE – AUTOMOTIVE AIR CONDITIONING MECHANIC: 4 Total Credit Hours

Required Scores: None	Cr Hr	Grade
ADX 170 Heating and Air Conditioning <i>No prerequisite</i>	3	
ADX 171 Heating and Air Conditioning Lab <i>Prereq or Coreq: ADX 170</i>	1	

## CERTIFICATE – MANUAL TRANSMISSION / DRIVE TRAIN TECHNICIAN: 5 Total Credit Hours

Required Scores: None	Cr Hr	Grade
AUT 130 Manual Drive Train and Axles <i>No prerequisite</i>	3	
AUT 131 Manual Drive Train and Axles Lab <i>Prereq or Coreq: AUT 130</i>	2	

## CERTIFICATE – AUTOMATIC TRANSMISSION / TRANSAXLE TECHNICIAN: 5 Total Credit Hours

Required Scores: None	Cr Hr	Grade
AUT 180 Automatic Transmission/Transaxle <i>No prerequisite (Rec-student should have successfully completed ADX 120 and ADX 260 or have Consent of Instructor)</i>	3	
AUT 181 Automatic Transmission/Transaxle Lab <i>Prereq or Coreq: AUT 180</i>	2	

## CERTIFICATE – BRAKE REPAIRER: 5 Total Credit Hours

Required Scores: None	Cr Hr	Grade
AUT 110 Brake Systems <i>No prerequisite</i>	3	
AUT 111 Brake Systems Lab <i>Prereq or Coreq: AUT 110</i>	2	

## CERTIFICATE – ENGINE REPAIRER: 5 Total Credit Hours

Required Scores: None	Cr Hr	Grade
ADX 150 Engine Repair <i>No prerequisite</i>	3	
ADX 151 Engine Repair Lab <i>Prereq or Coreq: ADX 150</i>	2	

## CERTIFICATE – FRONT END MECHANIC: 5 Total Credit Hours

Required Scores: None	Cr Hr	Grade
AUT 160 Suspension and Steering <i>No prerequisite</i>	3	
AUT 161 Suspension and Steering Lab <i>Prereq or Coreq: AUT 160</i>	2	

## CERTIFICATE – AUTOMOTIVE ELECTRICIAN: 10 Total Credit Hours

Required Scores: None	Cr Hr	Grade
ADX 120 Basic Automotive Electricity <i>No prerequisite</i>	3	
ADX 121 Basic Automotive Electricity Lab <i>Prereq or Coreq: ADX 120</i>	2	
ADX 260 Electrical Systems <i>No prerequisite (Rec-student should have successfully completed ADX 120 or have Consent of Instructor)</i>	3	
ADX 261 Electrical Systems Lab <i>Prereq or Coreq: ADX 260</i>	2	

## CERTIFICATE – TUNE-UP MECHANIC: 26 Total Credit Hours

Required Scores: Pre-Algebra–34 / Reading–74 / Writing–49	Cr Hr	Grade
GEN 100 Introduction to College <i>No prerequisite</i>	1	
ADX 120 Basic Automotive Electricity <i>No prerequisite</i>	3	
ADX 121 Basic Automotive Electricity Lab <i>Prereq or Coreq: ADX 120</i>	2	
ADX 260 Electrical Systems <i>No prerequisite (Rec-student should have successfully completed ADX 120 or have Consent of Instructor)</i>	3	
ADX 261 Electrical Systems Lab <i>Prereq or Coreq: ADX 260</i>	2	
AUT 140 Basic Fuel and Ignition Systems <i>No prerequisite (Rec-student should have successfully completed ADX 120 and ADX 260 or have Consent of Instructor)</i>	3	
AUT 141 Basic Fuel and Ignition Systems Lab <i>Prereq or Coreq: AUT 140</i>	2	
AUT 142 Emission Systems <i>No prerequisite (Rec-student should have successfully completed ADX 120 and ADX 260 or have Consent of Instructor)</i>	3	
AUT 143 Emission Systems Lab <i>Prereq or Coreq: AUT 142</i>	2	
AUT 240 Computer Control Systems and Diagnosis <i>No prerequisite (Rec-student should have successfully completed ADX 120 and ADX 260 or have Consent of Instructor)</i>	3	
AUT 241 Computer Control Systems and Diagnosis Lab <i>Prereq or Coreq: AUT 240</i>	2	

Student: _____	Student: _____
Advisor: _____	Advisor: _____
Date: _____	Date: _____
Student: _____	Student: _____
Advisor: _____	Advisor: _____
Date: _____	Date: _____

I have reviewed this advising sheet with my advisor and understand course requirements and preferred sequence of courses necessary to complete a credential. Also, I do understand that there may be course changes with future curriculum revisions that may affect a change in course requirements listed on this sheet.

I also understand that if I have prior felony/criminal convictions, or have points on my driver's license, or no license, that it may be difficult to find employment in the transportation field.

**DIPLoma: AUTOMOTIVE TECHNICIAN: 62-65 Total Credit Hours**

Required Scores: Algebra – 25 / Reading – 85 / Writing – 74		Cr Hr	Grade
<b>General Education:</b>			
<b>Area 1 = Writing / Accessing Information, Oral Communication or Heritage / Humanities / Foreign Languages</b> <i>Rec. ENG 101</i>		3	
<b>Area 2 = Science or Mathematics</b> <i>Rec. MAT 110 or higher level mathematics (excluding MAT 120) or Science course</i>		3	
<b>Area 3 = Computer Literacy course or competency demonstrated by exam</b> <i>Rec. CIS 100</i>		0-3	
<b>Technical Core:</b>			
<b>GEN 100 Introduction to College</b> <i>No prerequisite</i>		1	
<b>ADX 120 Basic Automotive Electricity</b> <i>No prerequisite</i>		3	
<b>ADX 121 Basic Automotive Electricity Lab</b> <i>Prereq or Coreq: ADX 120</i>		2	
<b>ADX 150 Engine Repair</b> <i>No prerequisite</i>		3	
<b>ADX 151 Engine Repair Lab</b> <i>Prereq or Coreq: ADX 150</i>		2	
<b>ADX 170 Heating and Air Conditioning</b> <i>No prerequisite</i>		3	
<b>ADX 171 Heating and Air Conditioning Lab</b> <i>Prereq or Coreq: ADX 170</i>		1	
<b>ADX 260 Electrical Systems</b> <i>No prerequisite (Rec-student should have successfully completed ADX 120 or have Consent of Instructor)</i>		3	
<b>ADX 261 Electrical Systems Lab</b> <i>Prereq or Coreq: ADX 260</i>		2	
<b>AUT 110 Brake Systems</b> <i>No prerequisite</i>		3	

	Cr Hr	Grade
<b>AUT 111 Brake Systems Lab</b> <i>Prereq or Coreq: AUT 110</i>	2	
<b>AUT 130 Manual Drive Train and Axles</b> <i>No prerequisite</i>	3	
<b>AUT 131 Manual Drive Train and Axles Lab</b> <i>Prereq or Coreq: AUT 130</i>	2	
<b>AUT 140 Basic Fuel and Ignition Systems</b> <i>No prerequisite (Rec-student should have successfully completed ADX 120 and ADX 260 or have Consent of Instructor)</i>	3	
<b>AUT 141 Basic Fuel and Ignition Systems Lab</b> <i>Prereq or Coreq: AUT 140</i>	2	
<b>AUT 142 Emission Systems</b> <i>No prerequisite (Rec-student should have successfully completed ADX 120 and ADX 260 or have Consent of Instructor)</i>	3	
<b>AUT 143 Emission Systems Lab</b> <i>Prereq or Coreq: AUT 142</i>	2	
<b>AUT 160 Suspension and Steering</b> <i>No prerequisite</i>	3	
<b>AUT 161 Suspension and Steering Lab</b> <i>Prereq or Coreq: AUT 160</i>	2	
<b>AUT 180 Automatic Transmission/Transaxle</b> <i>No prerequisite (Rec-student should have successfully completed ADX 120 and ADX 260 or have Consent of Instructor)</i>	3	
<b>AUT 181 Automatic Transmission/Transaxle Lab</b> <i>Prereq or Coreq: AUT 180</i>	2	
<b>AUT 240 Computer Control Systems and Diagnosis</b> <i>No prerequisite (Rec-student should have successfully completed ADX 120 and ADX 260 or have Consent of Instructor)</i>	3	
<b>AUT 241 Computer Control Systems and Diagnosis Lab</b> <i>Prereq or Coreq: AUT 240</i>	2	
<b>Any approved work experience component</b>	1	

**GENERAL OCCUPATIONAL / TECHNICAL STUDIES AAS DEGREE: (AUTOMOTIVE TECHNICIAN DIPLOMA (technical core courses) (56 Hours) PLUS 15-18 additional credit hours in General Education): 71-74 Total Credit Hours**

Required Scores: Algebra – 25 / Reading – 85 / Writing – 74		Cr Hr	Grade	Course
<b>Computer Literacy course or competency demonstrated by exam</b> <i>Rec. CIS 100</i>		0-3		
<b>Heritage / Humanities / Foreign Languages</b> <i>Prereq: See Compass / ACT score requirement</i>		3		
<b>Mathematics</b> <i>Rec. MAT 110 or higher level mathematics (excluding MAT 120)</i>		3		
<b>Science</b> <i>Prereq: See Compass / ACT score requirement</i>		3		
<b>Social Interaction</b> <i>Prereq: See Compass / ACT score requirement</i>		3		
<b>Writing / Accessing Information</b> <i>Rec. ENG 101</i>		3		

Developmental Math	Cr Hr
<b>MAT 55 – Pre-Algebra</b> <i>Compass score 24-41 in Pre-Algebra</i>	3
<b>MAT 65 – Basic Algebra</b> <i>Compass score 16-30 in Algebra</i>	3
<b>MAT 120 – Intermediate Algebra</b> <i>Compass score 31-35 in Algebra</i>	3
<b>MAT 100 – College Algebra Workshop</b> <i>Compass score 36-49 in Algebra / ACT 19-21 - enroll concurrent in College Algebra (MAT 150)</i>	2
<b>Developmental Writing</b>	
<b>ENC 90 – Foundations of College Writing I</b> <i>Compass score 26-38</i>	3
<b>ENC 91 – Foundations of College Writing II</b> <i>Compass score 39-73</i>	3
<b>Developmental Reading</b>	
<b>RDG 20 – Improved College Reading</b> <i>Compass score 49-69</i>	3
<b>RDG 30 – Reading for the College Classroom</b> <i>Compass score 70-82</i>	3
<b>RDG 41 – Reading Laboratory</b> <i>Compass score 83-84</i>	1

**Developmental Courses:** Once students complete and pass a developmental course with a grade of 'C' or higher, they have the option of retesting or moving into the next level of developmental. Once students have completed and passed ALL levels of developmental, they can be placed into General Education courses, including College Algebra, and are not required to retest.