Automotive Systems Technology Diploma (D60160):

Curriculum Checklist

2025-2026 Catalog Year - Present

Developmental Courses

Table 1: Overview of development courses that are required for 100 level English and math courses

ENG 025
MAT 035

1st Semester (Full Time Student)

Table 2: Overview of 1st semester (Fall) courses [16 credit hours]

✔	Course:	Course Name:	Credit Hour(s):	Prerequisite:	Corequisite:	Notes:
	AUT 116	Engine Repair	3		TRN 110	**Fall only**
	ENG 110 or **ENG 111**	Freshman Composition or Writing and Inquiry	3 3	DRE 097 or ENG 025 DRE 098 or ENG 025		
	TRN 110	Intro. To Transport Tech.	2		AUT 116	**Fall only**
	TRN 120	Basic Trans. Electricity	5			**Fall only** **Important prereq. for future classes**

2nd Semester (Full Time Student)

Table 3: Overview of 2nd semester (Spring) courses [14 credit hours]

✔	Course:	Course Name:	Credit Hour(s):	Prerequisite:	Corequisite:	Notes:
	AUT 141	Suspension & Steering System	3		AUT 141 A	**Spring only**
	AUT 141A	Suspension & Steering System Lab	1		AUT 141	**Spring only**
	AUT 151	Brake Systems	3		AUT 151A	**Spring only**
	AUT 151A	Brake Systems Lab	1		AUT 151	**Spring only**
	AUT 181	Engine Performance 1	3	AUT 116		**Spring only**
	MAT 121 or **MAT 171**	Algebra / Trigonometry I or Precalculus Algebra	3 4	DMA 060 or MAT 035 DMA 080 or MAT 035		

-----Check to see if you have earned the Brakes and Suspension Certificate

-----Check to see if you have earned the Basic Automotive Systems Certificate

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3rd Semester (Summer)

Table 4: Overview of 3rd semester courses (6 credit hours)

✔	Course:	Course Name:	Credit Hour(s):	Prerequisite:	Corequisite:	Notes:
	AUT 163	Advanced Auto. Electricity	3	TRN 120		**Summer only**
	AUT 212	Auto Shop Management	3			**Summer only**

4th Semester (Part Time Student)

Table 5: Overview of 4th semester (Fall) courses [11 credit hours]

✔	Course:	Course Name:	Credit Hour(s):	Prerequisite:	Corequisite:	Notes:
	AUT 183	Engine Performance II	4	AUT 181		**Fall only**
	TRN 145	Advanced Trans. Electronics	3	TRN 120		**Fall only**
	AUT 221	Auto Transm/Transaxles	3			**Fall only**
		Elective	4	Course dependent		

-----Check to see if you earned the Engine Performance Certificate
-----Check to see if your earned the Automotive Systems Electrical Certificate

Electives: Choose a minimum of 4 credit hours

Table 6: Overview of electives

✔	Course:	Course Name:	Credit Hour(s):	Prerequisite:	Corequisite:	Notes:
	AUT 114	Safety and Emissions	2			**Spring only**
	AUT 114A	Safety and Emissions Lab	1		AUT 114	**Spring only**
	AUT 163A	Adv. Auto Electricity Lab	1	TRN 120	AUT 163	**Summer only**
	AUT 181A	Engine Performance I Lab	1		AUT 181	**Fall only**
	TRN 140	Trans. Climate Control	2			**Spring only**
	TRN 140A	Trans. Climate Control Lab	2			**Spring only**

- Courses in **blue** earn a curriculum certificate
- Courses in **purple** earn a curriculum certificate; high school students may complete these to earn the credential early.

Total Credit Hours Needed for Graduation: 47

Questions? Contact:

Advisors:

David Mogilnicki
Office: RMSH
252-428-7338
dmogilnicki028@nashcc.edu

Jeff Cook
Office: NCC Auto Bldg.
252-428-7338
jdcook495@nashcc.edu