

# 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:  |
|---|--|--|-----------------|--|---------------|---|
|   | <b>AUT 116</b>                         | Engine Repair                                      | 3               |  | TRN 110       | <b>Fall only</b>  |
|   | <b>ENG 110</b><br>or<br><b>ENG 111</b> | Freshman Composition or<br><br>Writing and Inquiry | 3<br><br>3      | DRE 097 or<br>ENG 025<br><br>DRE 098 or<br>ENG 025 |               |   |
|   | <b>TRN 110</b>                         | Intro. To Transport Tech.                          | 2               |  | AUT 116       | <b>Fall only</b>  |
|   | <b>TRN 120</b>                         | Basic Trans. Electricity                           | 5               |  |               | <b>Fall only</b><br><b>Important prereq. for future classes</b> |

### 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:             |
|---|--|--|-----------------|--|---------------|--------------------|
|   | <b>AUT 141</b>                         | Suspension & Steering System                           | 3               |  | AUT 141 A     | <b>Spring only</b> |
|   | <b>AUT 141A</b>                        | Suspension & Steering System Lab                       | 1               |  | AUT 141       | <b>Spring only</b> |
|   | <b>AUT 151</b>                         | Brake Systems  | 3               |  | AUT 151A      | <b>Spring only</b> |
|   | <b>AUT 151A</b>                        | Brake Systems Lab                                      | 1               |  | AUT 151       | <b>Spring only</b> |
|   | <b>AUT 181</b>                         | Engine Performance 1                                   | 3               | AUT 116  |               | <b>Spring only</b> |
|   | <b>MAT 121</b><br>or<br><b>MAT 171</b> | Algebra / Trigonometry I or<br><br>Precalculus Algebra | 3<br><br>4      | DMA 060 or<br>MAT 035<br><br>DMA 080 or<br>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

3rd Semester (Summer)

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

| ✓ | Course:        | Course Name:               | Credit Hour(s): | Prerequisite: | Corequisite: | Notes:      |
|---|----------------|----------------------------|-----------------|---------------|--------------|-------------|
|   | <b>AUT 163</b> | Advanced Auto. Electricity | 3               | TRN 120       |              | Summer only |
|   | <b>AUT 212</b> | 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:    |
|---|----------------|-----------------------------|-----------------|------------------|--------------|-----------|
|   | <b>AUT 183</b> | Engine Performance II       | 4               | AUT 181          |              | Fall only |
|   | <b>TRN 145</b> | Advanced Trans. Electronics | 3               | TRN 120          |              | Fall only |
|   | <b>AUT 221</b> | 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:      |
|---|-----------------|----------------------------|-----------------|---------------|--------------|-------------|
|   | <b>AUT 114</b>  | Safety and Emissions       | 2               |               |              | Spring only |
|   | <b>AUT 114A</b> | Safety and Emissions Lab   | 1               |               | AUT 114      | Spring only |
|   | <b>AUT 163A</b> | Adv. Auto Electricity Lab  | 1               | TRN 120       | AUT 163      | Summer only |
|   | <b>AUT 181A</b> | Engine Performance I Lab   | 1               |               | AUT 181      | Fall only   |
|   | <b>TRN 140</b>  | Trans. Climate Control     | 2               |               |              | Spring only |
|   | <b>TRN 140A</b> | 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:

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