

GUIDED PATHWAY: SERVICE TECHNICIAN A.A.S. MANUFACTURING and INDUSTRIAL TECHNOLOGY CAREER PATH



For more information, visit the [Dallas College Automotive Technology webpage](http://www.dcccd.edu/AutoTech) [www.dcccd.edu/AutoTech] and your academic advisor at your campus.

This is an example course sequence for students interested in pursuing the Automotive Technology - Service Technician associate degree. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn an Associate of Applied Science (A.A.S.) degree in Automotive Technology – Service Technician. Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by Dallas College. See catalog for [official degree requirements](#).

The Associate of Applied Science degree in Service Technician Associate is nationally recognized and certified by the National Automotive Technicians Education Foundation (NATEF). The purpose of this program is to prepare students for entry level employment as an automotive technician. This program reflects a building-block approach from simple to complex and includes theory, diagnosis, repair and maintenance of automobiles, including late model vehicles with electronic systems. Courses that complete the degree, the [Chassis Service Technician Certificate](#) (CS), the [Electronics and Climate Controls Technician Certificate](#) (EC), the [Engine Repair and Performance Technician Certificate](#) (ER) and [Transmission Service Technician Certificate](#) (TS) are noted below.

Visit the [NTCCC Transfer Consortium](#) to view guided pathways created for students who complete an A.A.S. degree and the options for transfer to complete a Bachelor of Applied Arts and Science. Speak with an academic advisor at your campus to choose courses that will help you to transfer to a specific university.

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|---------------------|--|--|
| Catalog Year | 2020-2021 | You may use this pathway if you entered Dallas College on or before this date. |
| Degree Type | Associate of Applied Science | |
| GPA Requirement | Student must earn a GPA of 2.0 or higher | |
| TSI | Must be Complete | |

SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS

All plans can be modified to fit the needs of part-time students. This is not an official degree plan. See catalog for [official degree requirements](#).

AAS DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS

| SEMESTER 1 | Total Hours: 15 |
|---|-----------------|
| AUMT 1305 – Introduction to Automotive Technology <i>(Course also applies to CS, EC, ER, TS)</i> AUMT 1319 – Automotive Engine Repair <i>(Course also applies to ER)</i> AUMT 1307 – Automotive Electrical Systems <i>(Course also applies to CS, EC, ER, TS)</i> MATHEMATICS ELECTIVE* <i>This is a Core course. You must earn a grade of "C" or better.</i> CHOOSE ONE: AUMT 1306 – Automotive Engine Removal and Installation OR AUMT 1391 – Special Topics in Auto/Automobile Mechanic/Technician | |

* There are several options to fulfill this requirement. See your academic advisor for a specific list.

SEMESTER 1 ACTION ITEMS

1. Meet with your advisor to confirm your academic/career goals before the end of the semester.
2. Meet with a career advisor or coach to research your career options and opportunities for job shadowing.

| SEMESTER 2 | Total Hours: 12 |
|--|-----------------|
| AUMT 1310 – Automotive Brake Systems <i>(Course also applies to CS)</i> AUMT 1316 – Automotive Suspension and Steering Systems <i>(Course also applies to CS)</i> AUMT 2321 – Automotive Electrical Diagnosis and Repair <i>(Course also applies to EC, ER, TS)</i> ENGL 1301 – Composition I <i>This is a Core course. You must earn a grade of "C" or better.</i> | |

SEMESTER 2 ACTION ITEMS

1. Meet with your advisor to request an official program of study audit and confirm or update your academic/career path and program of study.

SEMESTER 3

Total Hours: 6

[AUMT 1345](#) – Automotive Climate Control Systems *(Course also applies to EC)*

[SPCH 1311](#) – Introduction to Speech Communication *This is a Core course.*

SEMESTER 3 ACTION ITEMS

1. Meet with a faculty or career advisor regarding placement for the Cooperative course, if needed.
2. Meet with a career advisor or coach for assistance in preparing for job search.

SEMESTER 4

Total Hours: 12

[AUMT 2317](#) – Automotive Engine Performance Analysis I *(Course also applies to ER)*

[AUMT 2334](#) – Automotive Engine Performance Analysis II *(Course also applies to ER)*

[HUMANITIES/FINE ARTS ELECTIVE*](#) *This is a Core course.*

CHOOSE ONE: [AUMT 2380](#) – Cooperative Education-Automobile/Automotive Mechanics Technology/Technician **OR**

[AUMT 2328](#) – Automotive Service *(Either course also applies to CS, TS)*

* There are several options to fulfill this requirement. See your academic advisor for a specific list.

SEMESTER 4 ACTION ITEMS

1. Meet with a faculty or career advisor regarding placement for the Cooperative course, if needed.
2. After reviewing your degree plan and program of study, meet with your advisor to apply for the Chassis Service Technician Certificate.

SEMESTER 5

Total Hours: 15

[AUMT 2313](#) – Automotive Drive Train and Axles *(Course also applies to TS)*

[AUMT 2325](#) – Automotive Automatic Transmission and Transaxle *(Course also applies to TS)*

[AUMT 2381](#) – Cooperative Education-Automobile/Automotive Mechanics Technology/Technician *(Course also applies to EC, ER)*

[SOCIAL/BEHAVIORAL SCIENCE ELECTIVE*](#) *This is a Core course.*

CHOOSE ONE: [AUMT 2332](#) – Automotive Automatic Transmission and Transaxle II **OR**

[AUMT 2311](#) – Automotive Electronic Controls

* There are several options to fulfill this requirement. See your academic advisor for a specific list.

SEMESTER 5 ACTION ITEMS

1. After reviewing your degree plan and program of study, meet with your advisor to apply for the Automotive Technology Service Technician A.A.S. and the Electronics and Climate Controls Technician, Engine Repair and Performance Technician, and Transmission Service Technician Certificates.
2. Sign up for Commencement.
3. Join the [Alumni Network!](#)

PATHWAY TOTAL: 60 SEMESTER CREDIT HOURS