

# Automotive Systems Technology

## Automotive Systems Technology Diploma (D60160)

This diploma is also available for students enrolled in Career & College Promise.

### Diploma Awarded

A diploma in Automotive Systems Technology is awarded by the College upon completion of this program.

### Admissions

- Completion of a high school diploma or equivalent is required as the foundation of a career in this area.
- Many courses have prerequisites or co-requisites; check the Courses section for details.

### Program Accreditation

This program is Master Certified by the National Automotive Technician Foundation (NATEF) Automotive Service Excellence (A.S.E.).

Note: Students must furnish required hand tools and protective clothing, as well as textbooks. A list of these items can be obtained from an instructor or program chair by contacting the program chair at 704.330.4183.

### Contact Information

The Automotive Systems Technology program is in the Transport Systems Technologies Division. For more information, call the program office at 704.330.4122 or the program chair at 704.330.4183.

Choose 42 hours from Major and Related Course Requirements listed below:

#### General Education Requirements

|         |                                       |     |
|---------|---------------------------------------|-----|
| ENG 101 | Applied Communications I              | 3.0 |
| MAT 110 | Mathematical Measurement and Literacy | 3.0 |

#### Major Requirements

|          |  |     |
|----------|--|-----|
| TRN 110  | Introduction to Transport Technology         | 2.0 |
| TRN 120  | Basic Transportation Electricity             | 5.0 |
| TRN 140  | Transportation Climate Control               | 2.0 |
| AUT 141  | Suspension & Steering Systems                | 3.0 |
| AUT 151  | Brake Systems                                | 3.0 |
| AUT 181  | Engine Performance 1                         | 3.0 |
| TRN 140A | Transportation Climate Control Lab           | 2.0 |
| TRN 170  | PC Skills for Transportation                 | 2.0 |
| AUT 116  | Engine Repair                                | 3.0 |
| AUT 116A | Engine Repair Lab                            | 1.0 |
| AUT 151A | Brakes Systems Lab                           | 1.0 |
| AUT 183  | Engine Performance 2                         | 4.0 |
| AUT 221  | Automatic Transmissions/Transaxles           | 3.0 |
| AUT 231  | Manual Transmissions/Transaxles/Drive Trains | 3.0 |

#### Technical Electives

|                                   |     |
|-----------------------------------|-----|
| Select 1 credit of the following: | 1.0 |
|-----------------------------------|-----|

|          |                                     |
|----------|-------------------------------------|
| AUT 113  | Automotive Servicing I              |
| WBL 112  | Work-Based Learning I               |
| WBL 122  | Work-Based Learning II              |
| AUT 213  | Automotive Servicing 2              |
| AUT 141A | Suspension & Steering Lab           |
| TRN 120A | Basic Transportation Electrical Lab |

#### Total Credits

44