# Transportation Systems Pathway Model

**Start**
**Pre-Transportation**
As early as grade 7
(based on readiness)

Workplace Visits
Job Shadow
Internship
Work

**ASE Certification, Student or A Series**

**Automotive Service Technician**
Salary: $33,590
Job Growth (10 yr): 5.7%
Annual Openings: 835
Average Tuition: $0 - 4,000

Supervised Experience
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Work

**ASE Certification, A Series or G1**

**Certified Auto Service Technician**
Salary: $42,440
Job Growth (10 yr): 8.2%
Annual Openings: 293
Average Tuition (2 yr): $7,600

Supervised Experience
Internship
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Work

**ASE Master Certifications**

**Master Auto Service Technician**
Salary: $57,110
Job Growth (10 yr): 2.6%
Annual Openings: 288
Average Tuition (4 yr): $39,700

Internship
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Work

Provided by middle schools, high schools, employers, Ohio Tech Centers, and colleges.

**Preparing students for multiple options after high school:**
gainful employment and/or postsecondary study.

# Transportation Systems Pathway Model

Secondary Pathway: **Automotive Technology** Postsecondary Program: **Automotive Technology**

## Courses with Secondary and Post-Secondary Credits

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|---|---|---|---|---|---|---|---|---|---|
| **Secondary** | **7<br>8** | English | Algebra I | Science | Social Studies | Fine Arts | | | |
| | **9<br>10** | English | Geometry | Biology | US History | Health (.5)<br>PE (.5) | Ground Transportation Maintenance | Breaking, Suspension, & Steering | |
| | **11** | English | Algebra II | Chemistry | US Government & Economics | Foreign Language | Engine & Power Train | HVAC | |
| | **12** | English | Trigonometry | Physics | Psychology | Foreign Language | Electrical/ Electronic | Engine Performance | Transportation Capstone |
| **Post-Secondary** | **Year 1<br>1st Semester** | English | Computer Applications | Shop Safety & Procedures | Numerical Applications | Intro to Automotive Service | Transmission & Drivetrain | Automotive Electrical Fundamentals | |
| | **Year 1<br>2nd Semester** | Math | Humanities Elective | Automotive Engines | Alignment, Steering & Suspension | Braking Systems | Auto Field Experience | | |
| | **Year 2<br>1st Semester** | Communication | Intro to Business | Economics | Automotive HVAC | Engine Performance | Auto Electrical Systems | Automotive Field Experience | |
| | **Year 2<br>2nd Semester** | Automatic Transmissions | Auto Electronic Engine Controls | Auto Electrical Diagnosis | Auto Service Operations | Automotive Field Experience | Social & Behavioral Science | | |

**High School CTE Program Courses**

**High School Courses for Postsecondary Credit (Including Apprenticeship Hours) and the Corresponding Postsecondary Courses**

**Required Courses**

**Recommend Electives**

Visit education.ohio.gov/CareerConnections for reference information

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