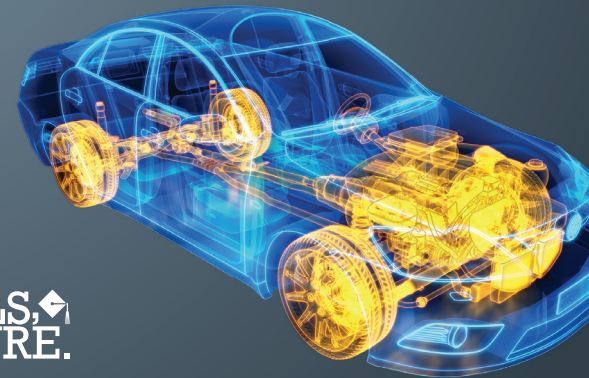


# CAREERS IN TRANSPORTATION

- Automotive service technicians, truck and bus mechanics, and mechanical repairers
- Construction millwrights and industrial mechanics
- Motor vehicle body repairers
- Motorcycle, all-terrain vehicle, and other related mechanics
- Aerospace engineers
- Industrial designers
- Urban and land use planners
- Air pilots, flight engineers, and flying instructors
- Deck officers, water transport
- Industrial designers
- Industrial engineering and manufacturing technologists and technicians
- Machine operators and inspectors, electrical apparatus manufacturing
- Mechanical engineering technologists and technicians
- Supervisors, motor transport, and other ground transit operators
- Air transport ramp attendants
- Aircraft assemblers & aircraft assembly inspectors
- Boat and cable ferry operators and related occupations
- Boat assemblers and inspectors
- Bus drivers, subway operators, and other transit operators
- Delivery and courier service drivers
- Heavy equipment operators (except crane)
- Other automotive mechanical installers and servicers
- Railway yard and track maintenance workers
- Service station attendants
- Tire repairers and servicers



For more information on the Specialist High Skills Major Transportation program, contact your school guidance counsellor, SHSM board lead or visit [Ontario.ca/SHSM](http://Ontario.ca/SHSM)



YOUR SKILLS,  
FUTURE.



YOUR SKILLS,  
FUTURE.

TRANSPORTATION





### Sector Overview

Transportation is essential to our everyday life. Different modes of transportation including air, rail, road, water, cable, pipeline and space provide many career options for those interested in the field. In particular, skilled automotive service technicians are in great demand and require a breadth of knowledge from seat-belt systems to the latest diagnostic equipment.

## THE EXPERIENCE

### Students in the Transportation Specialist High Skills Major program will:

- Be exposed to skilled trades and professional areas such as automotive service technician, truck and coach, motorcycle, marine, automotive engineering and design
- Receive training using the latest technologies in the automotive industry
- Establish contacts with industry leaders and learn the skills that are required to be job-ready
- Participate in opportunities to explore authentic postsecondary education in their chosen pathways

## CREDITS

### Course Package

Each SHSM program offers students a bundle of 8 - 10 credits. These courses are regular Ontario secondary school courses that allow students to work towards their Ontario Secondary School Diploma, but have been bundled as the most relevant courses to prepare students for a future in the Transportation sector.

Two credits in this bundle include Cooperative Education where students pursue a work placement in a field of interest.



### The bundle includes:

- 4 “major” credits in Transportation and related courses in grade 11 and 12
- Supporting credits:
  - > 1 Grade 11 English credit (or 1 Grade 12 English credit for students pursuing the workplace pathway)
  - > 1 Grade 12 Math credit or 1 Grade 11 Math credit for students pursuing the workplace pathway
  - > 1 Grade 11 or Grade 12 Science or Business studies credit
  - > 2 Cooperative Education credits to experience life in the Transportation sector

### Achievements in the Program

- **Certifications and Awareness Training:** Students complete selected sector-recognized certifications related to the major
- **Experiential Learning Opportunities:**
  - > Have the opportunity to job-shadow industry professionals
  - > Complete 2 Cooperative Education credits and get work experience in the Transportation sector
  - > See guest speakers, go on field trips to explore careers in Transportation
- Gain a **Sector Partnered Experience (SPE)** component that includes one of the

- following options: Innovation Creativity and Entrepreneurship (ICE) training; sector-delivered contextualized coding; or, sector-delivered mathematical literacy. The SPE will require a 6 hour activity, delivered with a sector partner and have an experiential and an assessment component
- Reach Ahead Experiences: Explore the field and postsecondary education opportunities in the Transportation sector
- Completing the SHSM program prepares students for their pathway to **apprenticeship, college, university or work**