

Program Overview

The Construction Industry is diverse and offers the opportunity to participate in all kinds of projects such as office buildings, plants, schools, roads, hydroelectric dams, hospitals, churches, houses and tunnels. Large or small, the projects are managed, budgeted for, planned and built carefully and capably by people with the ingenuity, skill and education to create.

The Specialist High Skills Major (SHSM) program in Construction gives students an opportunity to specialize, gain qualifications, and plan a career pathway in various areas of the Construction sector while still in high school. The SHSM Program has a number of required components, designed to give students a "leg-up" to pursue post-secondary opportunities in each of the identified sectors, valuing apprenticeship, college, university and work.

The Experience

- Gets skills, knowledge and experience in Carpentry, Heating, Ventilation and Air Conditioning (HVAC) or Electrical areas of the construction sector
- Connect with industry professionals through field trips, guest speakers and other experiential learning opportunities
- Get training and sector-recognized certifications, such as Fall Protection, basic health and safety, First Aid & CPR, lockout/tagout and confined space awareness

For more information on the Specialist High Skills Major Construction programs, contact your school guidance counsellor and log onto haltonpathways.ca.

haltonpathways.ca

Construction



Carpenter
Electrician

Heating & Refrigeration Technician

Construction Engineer / Architect

Construction Labourer



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 Construction sector.

The bundle includes:

- 4 "major" credits in grade 11 and 12, with a choice of Carpentry, HVAC or Electrical focus
- Supporting credits, which include Contextualized Learning Activities (opportunities for students to learn the subject in the context of the Construction sector i.e. Students complete a math project related to wood measurement in building a project):
 - > 1 Grade 11 English credit (and a Grade 12 English credit for students in the workplace pathway)
 - > 1 Grade 11 and 1 Grade 12 math credit (Grade 11 only for students in the workplace pathway)
 - > 1 Grade 11 or Grade 12 credit in science or business studies
 - > 2 cooperative education credits to experience life in the Construction sector



Achievements in the Program

- **Certifications and Awareness Training:** Students complete sector-recognized certifications related to the major and selected from a list, including Standard First Aid, CPR Training, WHMIS, Fall Protection, basic health and safety and two electives specific to the Construction sector
- **Experiential Learning Opportunities:**
 - > Have the opportunity to job-shadow industry professionals
 - > Complete 2 Cooperative Education credits and get work experience in the Construction sector
 - > See guest speakers, go on field trips and other workplace experiences to explore careers in Construction
 - > Mohawk College - Students receive Dual Credit college/high school credits in Electrical and HVAC
- Document your essential skills and work habits through the **Ontario Skills Passport**
- **Reach Ahead Experiences:** Explore the field and post-secondary education opportunities in the construction sector
- Completing the SHSM program prepares students for their pathway to **apprenticeship, college, university or work**



HDSB SHSM Program Locations: Construction

Focus	Location	Region of Halton
Carpentry	M.M. Robinson High School	Burlington
Electrical Construction	M.M. Robinson High School	Burlington
Heating, Ventilation & Air Conditioning & Refrigeration	M.M. Robinson High School	Burlington
Carpentry	Milton District High School	Milton

