



## CAREERS IN CONSTRUCTION

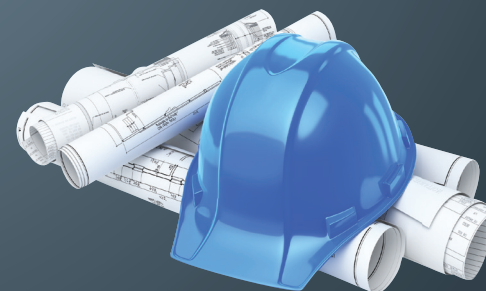
- Carpenters
- Bricklayers
- Construction millwrights and industrial mechanics
- Electricians
- Heating, refrigeration, and air conditioning mechanics
- Painters and decorators
- Plumbers
- Roofers and shinglers
- Architects
- Civil engineers
- Electrical and electronics engineers
- Mechanical engineers
- Architectural technologists and technicians
- Civil engineering technologists and technicians
- Construction estimators, inspectors and managers
- Contractors and supervisors, electrical trades, and telecommunications occupations
- Home building and renovation managers
- Interior designers and interior decorators
- Concrete finishers
- Construction trades helpers and labourers



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



YOUR SKILLS,  
FUTURE.



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# CONSTRUCTION







### Sector 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, these projects are designed, managed and built—carefully and capably—by people with the ingenuity, skill and education to create the buildings of tomorrow.

## THE EXPERIENCE

**Students in the Construction Specialist High Skills Major program will:**

- Develop skills, knowledge and experience in Architectural Design, Carpentry, Home Building, 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
- Complete training and sector-recognized certifications, such as Working at Heights, basic health and safety, First Aid & CPR, lockout/tagout and confined space awareness
- 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 Construction 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 grade 11 and 12, with a choice of Carpentry, Design, HVAC or Electrical focus
- **Supporting credits:**
  - > 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 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 Construction sector
  - > See guest speakers, go on field trips to explore careers in Construction
- Gain a **Sector Partnered Experiences** (SPE) component that includes one of the following options: Innovation Creativity and Entrepreneurship (ICE) training; sector-delivered 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 Construction sector
- Completing the SHSM program prepares students for their pathway to **apprenticeship, college, university or work**