



# SPECIALIST HIGH SKILLS MAJOR CONSTRUCTION Technology

The ministry-approved SHMS in Construction includes the following required components:

- A defined bundle of ten Grade 11 and Grade 12 credits for each of the four pathways to postsecondary destinations – apprenticeship training, college, university, and workplace
- Sector-recognized certifications and training
- Experiential learning within the sector
- “Reach Ahead” experiences in the area of the student's postsecondary destination of choice
- Development of Essential Skills and work habits required in the sector, and use of the Ontario Skills Passport (OSP) for purposes of documentation

#### Construction

**Carpentry • Design Technology • Electrical • Plumbing**

Students can specialize or they can combine their interests in one of the 4 areas of construction technology. They must however include 4 senior credits in their bundle. All students must complete a minimum of 2 cooperative education credits, 4 senior technology credits, a grade 12 English and grades 11 and 12 math and a grade 11 science or business that contains a contextualized learning activity. They also must complete 7 sector recognized certifications and/or training courses as described on the next page.

#### Sector Certifications or Training

5 compulsory:

- Standard First Aid
- CPR
- Health and Safety Basic
- Fall Protection
- Generic WHMIS

And at least two others that may include:

- Electrical Safety
- Confined Space Awareness
- Hoisting and Rigging
- Chain Saw Safety
- Elevating Platforms



**huron perth catholic district school board**



## INSIDE THE INDUSTRY

As a skilled construction worker, you could help build homes, offices, schools, bridges, roads, factories or shopping malls and be part of a \$130-billion industry which accounts for more than 12% of Canada's economy.

There are four sectors in the construction industry. Each uses different equipment and needs workers with a variety of skills. Depending on the career you choose, you could work in two, three or all four of these sectors:

**New Home Building and Renovation** – building, remodeling or renovating houses and apartment buildings:  
The New Home Building and Renovation sector makes up a huge part of Canada's construction industry. In Canada, 50% of construction workers are employed in the residential sector.

**Heavy Industrial Construction** – building industrial facilities such as cement, automotive, chemical or power plants, refineries and oil-sands installations:

**Institutional and Commercial Construction** – building commercial and institutional buildings structures, such as stadiums, schools, hospitals, grain elevators and indoor swimming pools:

**Civil Engineering Construction** – engineering projects such as highways, dams, water and sewer lines, power and communication lines and bridges.

*As you can see there are opportunities for many students with a variety of destinations.*



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## CONSTRUCTION TECHNOLOGY