



Energy SHSM Dual Credit Electrical OYAP

Potential Careers

- ✓ Construction and Maintenance Electrician
- ✓ Line Installers and Repairers
- ✓ Construction Managers
- ✓ Conference and Event Planner
- ✓ Electrical and Electronics Engineers
- ✓ Power Plant Operators, Distributors and Dispatchers
- ✓ Industrial Electrician
- ✓ Electrical Engineering Technician
- ✓ Powerline Technician
- ✓ Wind Turbine Technician
- ✓ Domestic and Rural Electrical

A “Head-Start” – Program Overview

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

Electrical education helps our young people build their confidence, express their individuality, creativity and improve how well they learn other school subjects. Studies show that students who participate in Electrical education can develop math, literacy and writing skills with increased proficiency.



The SHSM Experience

- Gain an awareness of career opportunities in the Electrical sector
- Participate in workshops and sessions with industry professionals
- The practical and theoretical application of Electrical education, Innovation and Entrepreneurship
- Develop Transferable skills compatible with multiple pathways to all post-secondary destinations in Electrical Studies and graduate with a resume as well as a diploma
- Will be involved in today’s rapid and exciting changes in green energy technologies

What is my Plan for Achieving My Goals?

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 Energy sector.

The bundle includes:

- 4 “major” credits related to energy in grade 11 and 12
- Supporting credits, which include Contextualized Learning Activities (opportunities for students to learn the subject in the context of the energy sector):
 - » 1 Grade 12 English credit
 - » 1 Grade 11 Math credit
 - » 1 Grade 11 or 12 Science, Business Studies or Social Sciences credit
 - » 2 Cooperative Education credits to experience life in the energy sector

What are My Opportunities?

- **Resume-building and Awareness Training:** Students complete sector-recognized certifications related to the major and selected from a list, including Standard First Aid, CPR Training, WHMIS.
- Additional electives specific to the sector including, but not exclusively: Training Land Surveying, Working at Heights, CAD/ CAM Certification, etc. The 2 Credit Coop hours can also be used as OYAP hours to reduce your apprenticeship time.
- **Experiential Learning Opportunities:**
 - » Have the opportunity to job-shadow industry professionals
 - » Complete 2 Cooperative Education credits and get work experience in the sector
 - » See guest speakers, go on field trips and other workplace experiences to explore potential careers related to the Energy sector.
- Reach Ahead Experiences: Visit College and University campuses and industry partners to explore potential post-secondary pathway opportunities
- Completing the SHSM program prepares students for their pathway to apprenticeship, college, university or work. Students will have the opportunity to attend classes at Sheridan College, Electrical Engineer based classes one day a week as part of the Dual Credit.

School: Bishop Reding CSS, Milton

**SHSM Program: DUAL CREDIT -
ELECTRICAL OYAP & ENERGY SHSM**

Focus: Electrical

Program Teacher: Mario Ferko ferkom@hcdsb.org

For more information on the Specialist High Skills Major program:

- contact the program teacher
- contact your school guidance counsellor
- log into myblueprint.ca/hcdsb
- visit <https://haltonpathways.ca> and <https://studentsuccess.hcdsb.org>

