

A STUDENT SUCCESS
INITIATIVE

SHSM @ MAC

The **Specialist High Skills Major (SHSM)** program in the **Environment** gives students an opportunity to specialize, gain qualifications, and plan a career pathway in various areas of the Environmental 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 an Apprenticeship, College, University or Work placement.

HALIBURTON RETREAT



A Macdonald SHSM student testing ice thickness on Macdonald Lake.



Macdonald SHSM students taking samples from Wilket Creek.

DON'T MISS OUT...APPLY NOW!



For more information
please see your
Guidance Counsellor

SIR JOHN A. MACDONALD C.I.

**SPECIALIST HIGH SKILLS
MAJOR: ENVIRONMENT**

How does SHSM work?



Macdonald SHSM students earn their Paddling Skills Certification.

In order to complete a SHSM in the Environment, students:

1. complete a package of 9 specific courses including Contextualized Learning Activities in English and Math * (see chart below);
2. complete seven Industry Certifications (see chart below);
3. obtain job experience (e.g. co-op work experience, job shadowing, job twinning);
4. document the development of industry essential skills using the Ontario Skills Passport;
5. gain “Reach Ahead Experience” (ex. visiting a post-secondary institution).

Macdonald SHSM students can choose from among the following courses:

Grade 11	Grade 12
Choose two major credits: <input type="checkbox"/> PPL3O <input type="checkbox"/> SBI3C <input type="checkbox"/> TDJ3M <input type="checkbox"/> PAD3O <input type="checkbox"/> SBI3U <input type="checkbox"/> TTJ3C <input type="checkbox"/> CGG3O <input type="checkbox"/> SCH3U <input type="checkbox"/> CGF3M <input type="checkbox"/> SPH3U	Choose two major credits: <input type="checkbox"/> PPL4O <input type="checkbox"/> CPW4U <input type="checkbox"/> SBI4U <input type="checkbox"/> TDJ4M <input type="checkbox"/> PLF4C <input type="checkbox"/> CGR4M <input type="checkbox"/> SCH4C <input type="checkbox"/> TTJ4C <input type="checkbox"/> PSE4U <input type="checkbox"/> CGR4E <input type="checkbox"/> SCH4U <input type="checkbox"/> CGO4M <input type="checkbox"/> CLN4U <input type="checkbox"/> SPH4C
Choose one credit in English (*Includes CLA): <input type="checkbox"/> ENG3C <input type="checkbox"/> ENG3E <input type="checkbox"/> ENG3U Choose one credit in Math (*Includes CLA): <input type="checkbox"/> MBF3C <input type="checkbox"/> MCF3M <input type="checkbox"/> MCR3U <input type="checkbox"/> MEL3E	Choose one credit in English: <input type="checkbox"/> ENG4C <input type="checkbox"/> ENG4E <input type="checkbox"/> ENG4U
CO-OP <input type="checkbox"/> Complete two credits total	

EXPANDED CO-OP OPPORTUNITIES@ MACDONALD !

To complete the SHSM students must earn two co-op credits with an environmental connection. Next year Macdonald offers **two-credit co-op** in addition to our **four-credit co-op** program.

Certifications

SHSM students are required to complete seven certifications.

The **four compulsory** Industry Certifications include:

- Cardiopulmonary Resuscitation (CPR)
- Global Positioning System (GPS)
- First Aid
- Workplace Hazardous Materials Information System (WHMIS)

The SHSM team will also arrange for students to **complete three** of the following Environment-specific certifications:

- Hike Ontario
- Leave No Trace
- Project Wild
- Geographic Information System
- Leadership
- Life Saving
- Paddling Techniques