

APPRENTICESHIP • COLLEGE • UNIVERSITY • WORKPLACE



Specialist High Skills Major Program

AGRICULTURE



what

AGRICULTURE Specialist High Skills Major

A Specialist High Skills Major is a ministry approved specialized program that allows students to focus their learning on a specific economic sector Agriculture, while meeting the requirements for the Ontario Secondary School Diploma. This program assists in their transition from secondary school to apprenticeship training, college, university, or the workplace. An SHSM enables students to gain sector-specific skills and knowledge in the context of engaging, career-related learning environments and helps them focus on graduation and on pursuing their postsecondary goals.

The SHSM–Agriculture enables students to build a foundation of sector-focused knowledge and skills before graduating and entering apprenticeship training, college, university, or an entry-level position in the workplace. Depending on local circumstances, this SHSM may be designed to have a particular focus.



What do the students who successfully complete the Specialist High Skills Major Program receive?

SHSM Certifications provide students with an advantage when entering the workforce, regardless of their chosen career.

- An Ontario Secondary Diploma with an embossed SHSM red seal
- An SHSM Record documenting his/her achievement
- Formal recognition on his/her Ontario Student Transcript
- Industry recognized certifications

Photo by DSBN Alumni Kevin Unger



What specific credits do students need to successfully complete to earn an **AGRICULTURE SHSM** designation?

BUNDLE OF NINE (9) GRADE 11 AND 12 CREDITS			
Credits	Apprenticeship Training Grades 11 -12	College Grades 11 -12	University Grades 11 -12
Major Credits One credit may be substituted with a cooperative education credit (additional to the 2 required co-op credits)	4 Including at least one Gr. 11 and one Gr. 12 credit	4 Including at least one Gr. 11 and one Gr. 12 credit	4 Including at least one Gr. 11 and one Gr. 12 credit
English	1	1	1
Mathematics	1	1	1
Business Studies or Science	1	1	1
Coop Education	2	2	2
Total Credits	9	9	9

The Benefits of an SHSM Designation are Endless

Students refine their skills and improve their work habits, gain confidence in their ability to succeed and see the connections between their studies, the world beyond high school and their future careers. Students experience a range of customized, career-focused learning opportunities that provide authentic learning experiences which outlines their achievements in a workplace setting. The focused learning experiences give students the opportunity to explore, identify, and refine their career goals and make informed decisions related to postsecondary education.



How do I get more information about the Horticulture Specialist High Skills Major?

For more specific information please speak with your Agriculture Teacher, Guidance or visit

[DSBN.org/SHSM](https://www.dsbnschools.org/SHSM)

Certifications

1

3 Specialized
Bundle of
Nine Senior
Credits

2 Experiential
Learning

5 Reach
Ahead

4 (SPE)
Sector-
Partnered
Contextualized
Experience



(SPE) These are co-delivered by teachers and a sector partner and involve activities related to Innovation, Creativity and Entrepreneurship (ICE), Coding or Math Literacy. One or more SPE's must be completed by the time of graduation to be eligible for the SHSM Red Seal. These Essential Skills are transferable from school to work, job to job, and sector to sector.

For more information visit DSBN.org/SHSM



Focus Your Learning on Your Interests and Passions

Earn Industry Recognized Certifications Post-Secondary Opportunities

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1 Certifications

- WHMIS - Workplace Hazardous Materials Information System
- CPR - Cardiopulmonary Resuscitation with AED
- Standard First Aid
- Plus THREE more!

2 Experiential Learning

- Guest Speakers Currently Working in Industry
- Tours of Industry Hot Spots
- Trips - Overnight and Day Trips
- Co-op Placements

3 Specialized Bundle of 9 Senior Credits

- Four (4) Major Credits*
- One (1) Senior English
- Two (2) Co-op Credits
- One (1) Senior Mathematics Credit
- One (1) Senior Business Studies or Senior Science Credit or Additional Co-op Credit*

* An additional sector-related Co-operative Education credit may be used to substitute one credit in this requirement

4 Sector-Partnered Experience

- Making Decisions Using Appropriate Information
- The Collection and Analysis of Data
- Planning and Organization of Work
- Sector Related Coding Challenges
- Innovative Creative Entrepreneurship

5 Reach Ahead

- Conferences and Workshops
- Completing Dual Credit Course
- Attending College/University Classes



AGRICULTURE

Specialist High Skills Major



SHSM Major Credits - (4) Required

GRADE 11

BAF3M..... Introduction to Financial Accounting
BDI3C..... Entrepreneurship
BMI3C..... Marketing: Goods, Services, Events
SAN33..... Animal Science
SBI3C Biology
SBI3U Biology
SCH3U Chemistry
SPH3U Physics
SVN3M Environmental Science
TCJ3C..... Construction Technology
TDJ3M Technological Design
THJ3M Green Industries
TMJ3C..... Manufacturing Technology
TTJ3C..... Transportation Technology

GRADE 12

BAT4M..... Principles of Financial Accounting
SBI4U Biology
SCH4C..... Chemistry
SCH4U Chemistry
SNC4M Science
SPH4C..... Physics
SPH4U Physics
TCJ4C..... Construction Technology
TDJ4M Technological Design
THJ4M Green Industries
TMJ4C..... Manufacturing Technology
TTJ4C Transportation Technology

One Senior English Credit - (1) Required

ENG3C English
ENG3U English
NBE3U English: Contemporary First Nations, Métis, and Inuit Voices
NBE3C English: Contemporary First Nations, Métis, and Inuit Voices

ENG4C.....English
ENG4U.....English

One Senior Mathematics Credit - (1) Required

MBF3C..... Foundations of College Mathematics
MCF3M..... Functions & Applications
MCR3U Functions
MEL3E..... Mathematics for Everyday Life

MAP4C Foundations of College Mathematics
MHF4U Advanced Functions
MCV4U Calculus & Vectors
MDM4U Data Management
MEL4E..... Mathematics for Everyday Life

Other Required Credit

(Please note that Major course codes with a + can count for EITHER one of the Major credits or the one required "Other" credit, not both)

+BAF3M..... Introduction to Financial Accounting
+BAT4M..... Principles of Financial Accounting
BBB4M..... International Business
+BDI3C..... Entrepreneurship
+BMI3C Marketing: Goods, Services, Event
BOH4M..... Business Leadership
BTA3O..... Information & Communication Technology:
The Digital Environment
+SBI3C..... Biology

+SBI3U Biology
+SBI4U Biology
+SCH3U Chemistry
+SCH4C..... Chemistry
+SCH4U Chemistry
+SNC4M Science
+SPH3U Physics
+SPH4C..... Physics
+SPH4U Physics
+SVN3M Environmental Science

Cooperative Education - (2) Required in the SHSM related field

'Reach Ahead' Experiences

Students pursuing an SHSM must have opportunities for Reach Ahead experiences connected with their postsecondary plans.

What are Reach Ahead experiences?

Reach Ahead experiences are learning experiences connected with the student's postsecondary pathway in the Agriculture sector.

Reach Ahead experiences can range from visiting a college to investigate the program a student is considering, to sitting in on university classes in a student's field of interest, interviewing an employee in the field of work the SHSM student is considering, to discussing the postsecondary education, training and experiences of someone in the Agriculture sector.

Experiential Learning

Experiential learning and career exploration activities give students opportunities to explore, observe, participate in, and reflect on a variety of sector-specific experiences and careers.

These activities also enable students enrolled in the SHSM to find out about the opportunities available in careers that interest them.

The SHSM experiential learning and career exploration requirement consists of planned learning activities that take place outside the traditional classroom setting. Experiential learning may take a variety of forms, including career exploration activities, job shadowing, job twinning, work experience or virtual work experience.

SHSM Programs allow students to customize their education to suit their interests, talents and future career goals.



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Speak to your Guidance
Department and Visit

DSBN.org/SHSM

Westlane Secondary School

