

Specialist High Skills Major – Agriculture

It is clear that agriculture plays a major role in the lives of many families connected to Mitchell District High School. As a result, students will now be given the opportunity to enroll in this specialist high skills programme and learn about many different areas of agriculture while completing their regular studies.

The SHSM is a specialized, ministry-approved programme that allows students to focus their learning on a specific economic sector while meeting the requirements of the Ontario Secondary School Diploma (OSSD).

SHSMs assist students in their transition from secondary school to apprenticeship training, college, university, or the workplace. These programmes enable students to gain sector-specific skills and knowledge in engaging, career-related learning environments, and prepare in a focused way for graduation and post-secondary education, training, or employment.

Students who are enrolled in the programme will complete sector-recognized certifications and or training courses as well as be part of career exploration activities such as field trips and hearing from expert guest speakers.

Agriculture Sector-Recognized Certifications and Training

| Three (3) compulsory | | | |
|---|--|--|-------------------------------|
| Standard First Aid | Cardio-Pulmonary Resuscitation (CPR) Level A | Generic WHMIS | |
| <u>Three (3) electives from the list below</u> | | | |
| basic electrics | basic hydraulics | chain saw safety | equipment operation safety |
| fall protection | grain grading | hazardous atmosphere and confined spaces | large animal handling |
| level 1 fundamentals of the combine | level 2 theory of combine settings and adjustments | lift truck training | livestock medicine |
| lockout procedures | nutrient management | personal protective equipment in agriculture | pesticide handling and safety |
| safe lifting | small engines maintenance | tractors and other self-propelled | |

| SHSM Agriculture Pathway Chart | Apprenticeship Pathway | | College Pathway | | University Pathway | | Workplace Pathway | |
|---|--|----------------------------------|----------------------------------|----------------------------------|----------------------------------|---|--------------------------|------------------------|
| | Grade 11 | Grade 12 | Grade 11 | Grade 12 | Grade 11 | Grade 12 | Grade 11 | Grade 12 |
| credits | Grade 11 | Grade 12 | Grade 11 | Grade 12 | Grade 11 | Grade 12 | Grade 11 | Grade 12 |
| Major Credits (two in each grade) | BMI3C TTJ30 TDJ30 TMJ3E | TDJ40 CGR4M TTJ4E TMJ4E | TDJ30 TTJ30 BMI3C BDI3C | TTJ4E TDJ40 CGR4M BAT4M | SPH3U TDJ30 SCH3U SBI3U | SCH4U BAT4M CGR4M SPH4U SBI4U | TMJ3E TDJ30 Ta3E | TMJ4E TTJ4E Ta4E |
| English | ENG3C | | ENG3C | | ENG3U | | | ENG4E |
| Math | MBF3C | | | MAP4C | | MDM4U | MEL3E | |
| One other required credit in science or business | BDI3C SBI3C SCH4C | | BDI3C SBI3C SCH4C | | SBI3U SCH3U SCH4U | | BDI3C SVN3E SNC4E | |
| Cooperative education credits | at least 2 credits tied to the agriculture sector one additional co-op credit can be substituted for one 'major' credit one additional co-op credit can be substituted for one 'other required' credit | | | | | | | |