

### Why consider SHSM - Construction?

This program enable students to:

- Customize secondary school education to suit interests and skills
- Complete sector recognized certifications to build their resume
- Prepare for post-secondary opportunities
- Explore and refine career goals
- Earn the SHSM Distinction on their OSSD
- Engage in experiential learning with like-minded peers

### Required Certifications

- CPR level C (with AED)
- Health and Safety - Basic
- Standard First Aid
- WHMIS generic
- Working at Heights

### Elective Certification (at least 3)

- Advanced Training in a Technique
- Advanced Training in a Technology
- Anti-oppression and Allyship Training
- Basic Electrical Safety
- Canadian Welding Bureau (CWB) - flat
- Chainsaw Safety
- Computer- aided Design and Computer- aided Manufacturing
- Confined- space Awareness
- Customer Service
- Elevated Work Platforms
- Energy Efficiency Training
- Fall Protection
- Fire Safety and Fire Extinguisher Use
- First Aid/CPR/ AED Awareness
- Hoisting and Rigging
- Infection Control
- Insulated Concrete Forming
- Land Surveying Basics
- Leadership Skills
- Lockout/ Tagging
- Ozone- Depletion Prevention
- Portfolio Development
- Powder- actuated Tools
- Project Management
- Propane in Construction
- Scaffold Safety
- Sector Specific Software
- Sector Specific Vehicle Operation and Safety
- Specialized Skills Training Program/ Competition (e.g., Skills Canada provincial level)
- Suspended Access Equipment
- Traffic Control
- Trenching Safety

### What is SHSM?

Specialist High Skills Majors allow Grade 11 and 12 students focus on a career path that matches their skills and interests while meeting the requirements of the Ontario Secondary School Diploma (OSSD).



### Why is SHSM a valuable opportunity?

Students have the opportunity to:

- gain important skills on the job with actual employers, at skills training centres, and a school
- earn valuable industry certifications, including first aid and CPR qualifications.

### Reach Ahead/ Experiential Learning Field Trips

- Career Fairs
- Guest Speakers
- Industry Tours
- University/College Workshops

### Sector-Partnered Contextualized Component

- Innovation Creativity and Entrepreneurship (ICE) training
- Sector-delivered contextualized coding
- Sector-delivered mathematical literacy

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## A Bundle of **TEN** Courses is Required:

### Co-op Placements (minimum 2 credits)

Students apply their learning from a SHSM pathway course in an authentic learning environment.

### Major Credits (4 credits)

#### Choose from:

- AVI3M - Visual Arts
- AVI4M - Visual Arts
- BAF3M - Financial Accounting Fundamentals
- BAT4M - Financial Accounting Principles
- BBB4M - International Business Fundamentals
- BDI3C - Entrepreneurship: The Venture
- BMI3C - Marketing: Goods, Services, Events
- BMX3E - Marketing: Retail and Service
- BOH4M - Business Leadership: Management and Fundamentals
- CGW4U - World Issues: A Geographic Perspective
- ICS3U - Introduction to Computer Science
- ICS4U - Computer Science
- SBI3U/C - Biology
- SBI4U - Biology
- SCH3C - Chemistry
- SCH3U - Chemistry
- SCH4U - Chemistry
- SES4U - Earth and Space Science
- SPH3U - Physics
- SPH4U/C - Physics
- TCJ3C - Construction Engineering Technology
- TCJ4C - Construction Engineering Technology
- TDJ3M - Technological Design
- TDJ4M - Technological Design
- TMJ3E - Manufacturing Technology
- TMJ4E - Manufacturing Technology
- TWJ3E - Custom Woodworking
- TWJ4E - Custom Woodworking

### English (1 credit for the apprenticeship training, college, and university pathways OR for the workplace pathway 2 credits - 1 must be Grade 12)

#### Choose from:

- ENG3E - Workplace English
- ENG3C - College English
- ENG3U - University English
- ENG4E - Workplace English
- ENG4C - College English
- ENG4U - University English
- OLC40 - Ontario Secondary School Literacy Course

### Math (2 credits for the apprenticeship training, college, and university pathways OR for the workplace pathway 1 credit)

#### Choose from:

- MEL3E - Workplace Math
- MBF3C - College Math
- MCF3M - University/College Math
- MCR3U - University Math
- MEL4E - Workplace Math
- MCT4C/MAP4C - College Math
- MDM4U/MHF4U/MCV4U - University Math

### Related Credits (1 credit)

#### Choose from:

- BAI3E/BAF3M - Accounting
- BAT4M - Accounting
- BDI3C - Entrepreneurship
- BMI3C - Marketing
- BOG4E/BOH4M - Business Leadership
- BBB4M - International Business
- GLE40 - Learning Strategies
- ICS3U - Computer Science
- SCH3U - Chemistry
- SCH4C/4U - Chemistry
- SES4U - Earth and Space Science
- SPH3U - Physics
- SPH4C/4U - Physics

## Experiential learning and career exploration activities

Experiential learning and career exploration opportunities relevant to the sector might include the following:

- one-on-one observation of a cooperative education student at a placement in the agriculture sector (an example of job twinning)
- a day-long observation of a skilled tradesperson in the agriculture sector (an example of job shadowing)
- a one- or two-week work experience with a member of an industry association or a professional in the sector (an example of work experience)
- a volunteer experience in a long-term care facility
- an experience coaching an elementary school student in reading as part of a reading buddy program, or other curricular or extracurricular activities
- assisting in an exercise class in a long-term care facility
- attendance at a health and wellness sector

## Application Process:

If you are interested in the SHSM program at Newmarket High School, complete the following steps:

1. Complete the application here found on the NHS website under Departments & Programs - SHSM
2. Complete the online application. Print off the complete application (sent to your email)
3. Sign where appropriate and check the "COMPLETION CHECKLIST"
4. Submit to Guidance

