



## What is SHSM?

Specialist High Skills Majors let students focus on a career path that matches their skills and interests while meeting the requirements of the Ontario Secondary School Diploma (OSSD). Students complete a bundle of courses and gain valuable work experience through Co-op. SHSM programs lead to all post-secondary pathways – university, college, apprenticeship, and the workplace.

## Why consider SHSM – Construction?

This program enables students to:

- Customize their secondary school education to suit their interests and skills
- Complete sector recognized certifications to build their résumé
- Prepare for post-secondary opportunities
- Explore and refine their career goals
- Earn the SHSM Red Seal designation on their OSSD

### Required Certifications (5)

CPR-C with AED    Standard First Aid    generic WHMIS    health & safety basic    Working at Heights

### Elective Certifications (choose 2)

advanced training in a technique	advanced training in a technology	basic electrical safety	Canadian Welding Bureau (CWB) – flat
chainsaw safety	computer-aided design and computer-aided manufacturing (CAD/CAM)	confined space awareness	customer service
elevated work platforms	energy efficiency training (e.g., Energy Star, LEED)	fall protection	fire safety and fire extinguisher use
hoisting and rigging	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	suspended access equipment	traffic control	trenching safety
specialized skills training program/competition (e.g., Skills Canada provincial level, WoodLINKS)			

### 1 Sector-Partnered Experience

ICE training    contextualized coding    mathematical literacy  
innovation creativity entrepreneurship

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<b>2 Reach Ahead events</b> examples include: <ul style="list-style-type: none"><li>• Campus/Program tours (in person/virtual)</li><li>• post-secondary fair (OUF, OCIF, in-school)</li><li>• College/University application workshops</li><li>• Scholarship seminars</li></ul>		<b>2 Experiential Learning events</b> examples include: <ul style="list-style-type: none"><li>• YR Skills Competition</li><li>• job shadow / part time job in sector</li><li>• career fair, professional conference</li><li>• employee interview</li></ul>											
<b>2 Cooperative Education Credits</b> <b>example Co-op Placements:</b> <table><tr><td>architect interior design plumbing</td><td>mechanical engineer contractor/renovator civil engineer</td><td>architect/design technologist heating/air conditioning electrical engineer/technician</td></tr></table>				architect interior design plumbing	mechanical engineer contractor/renovator civil engineer	architect/design technologist heating/air conditioning electrical engineer/technician							
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<b>4 CONSTRUCTION Major Credits</b> <table><tr><td colspan="2"><b>Grade 11 (select at least 1):</b> AVI3M HLS3O TCJ3C/3E TDJ3M TEJ3M TTJ3C TWJ3E SPH3U</td><td colspan="2"><b>Grade 12 (select at least 1):</b> AVI4M CGW4C/4U TCJ4C/4E TDJ4M TTJ4C TWJ4E SPH4C/4U</td></tr><tr><td colspan="4">** Dual Credit courses may also apply</td></tr></table>				<b>Grade 11 (select at least 1):</b> AVI3M HLS3O TCJ3C/3E TDJ3M TEJ3M TTJ3C TWJ3E SPH3U		<b>Grade 12 (select at least 1):</b> AVI4M CGW4C/4U TCJ4C/4E TDJ4M TTJ4C TWJ4E SPH4C/4U		** Dual Credit courses may also apply					
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