

The Specialist High Skills Major (SHSM) is a specialized program approved by the Ministry of Education that allows students to focus their learning on a specific economic sector while meeting the requirements of the Ontario Secondary School Diploma (OSSD).

Requirements

1. **A bundle of 10 grade 11 and 12 credits.**
 - 4 major credit courses connected to construction and engineering (see reverse)
 - 4 other required credits in English (gr.12), math (gr. 11 and 12), and business OR science (gr. 11 or 12)
 - 2 cooperative education credits that are tied to the Construction and Engineering sector
2. **7 sector recognized certification and/or training programs**
 - 5 compulsory (CPR and Standard First Aid, WHMIS, Health and Safety, Fall Protection)
 - A choice of 2 electives from a list of additional certifications
3. **Experiential learning and career exploration activities within the sector**
4. **Reach ahead experiences connected with the student's post-secondary pathway**
5. **Development of Essential Skills and work habits required in the sector, and documentation of them using the Ontario Skills Passport (OSP)**

Benefits

The SHSM program will enable students to:

- choose a variety of **Construction related Grade 11 and 12 courses**
- customize their secondary school education to suit their **interests and talents**
- develop **specialized knowledge and skills**
- complete **activities related to Construction** in math, English, science, and business courses
- **earn credits** that postsecondary educational institutions and the Construction sector recognize
- gain sector-recognized **certification and career-relevant training**
- participate in **Experiential Learning activities** to learn about real-life job situations
- develop **Essential Skills and work habits** documented through the Ontario Skills Passport
- **identify, explore and refine career** goals and make informed decisions about their future involving Reach Ahead activities
- remain **flexible**, with the option to shift between pathways, should their goals and plans change
- earn an Ontario Secondary School Diploma with an embossed red seal and formal recognition on their Ontario Student Transcript
- receive a SHSM Record documenting their achievement

Courses offered at Cedarbrae to fulfill the Requirement of 10 Bundled Credits

Credits	Apprenticeship Pathway		College Pathway		University Pathway		Workplace Pathway	
	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12
Major Credits: Total of 4 major credits taken throughout grade 11 and grade 12	TWJ3E TCJ3C TCJ3E TCY3C	TWJ4E TCJ4C TCJ4E TCY4C	TCJ3C TCY3C TDA3M TDJ3M AVI3M	TCJ4C TCY4C TDA4M TDJ4M AVI4M	TDA3M TDJ3M AVI3M SPH3U	TDA4M TDJ4M AVI4M SPH4U	TWJ3E TCJ3E	TWJ4E TCJ4E
English Credit *1 required in most pathways *2 required in Workplace Pathway	ENG3E ENG3C	ENG4E ENG4C	ENG3C	ENG4C	ENG3U	ENG4U	ENG3E	ENG4E
Math Credits *2 required in most Pathways *1 required in Workplace Pathway	MBF3C MEL3E	MAP4C	MBF3C MCF3M	MAP4C	MCR3U MCF3M	MHF4U MCV4U MDM4U	MEL3E	
Business Studies, Science *only 1 of these courses is needed over gr. 11 or 12	SBI3C BAI3E	SCH4C	BAF3M BDI3C BMI3C SBI3C	BAT4M BBB4M BOH4M SCH4C	BAF3M	BAT4M BBB4M BOH4M SES4U	BAI3E	
Cooperative Education In current pathway	2 Credits		2 Credits		2 Credits		2 Credits	

Exception: If a student obtains a four (4) credit co-op, they may choose to use one additional co-operative education credit to substitute for one “major” credit and/or one “other required credit” (not from English or Math Categories)

There are NO extra credits required to complete this program.

All required credits may be obtained within the 30 required credits for the Ontario Secondary School Diploma (OSSD).

SAMPLE OCCUPATIONS IN THE CONSTRUCTION SECTOR

APPRENTICESHIP PATHWAY	COLLEGE PATHWAY
<ul style="list-style-type: none"> • Brick and Stone Mason • Carpenter • Construction Millwright • Electrician • Heating and Air Conditioning Contractor • Painter and Decorator • Plumber • Roofer 	<ul style="list-style-type: none"> • Architectural Design Technician/Technologist • Civil Engineering Technologist • Construction Estimator, Manager or Technologist • Contractor and Supervisor – Electrical Trades and Telecommunications • Home Inspector • Interior Designer • Residential Home Builder or Renovator
UNIVERSITY PATHWAY	WORKPLACE PATHWAY
<ul style="list-style-type: none"> • Architect • Civil Engineer • Electrical Engineer • Mechanical Engineer • Structural Engineer 	<ul style="list-style-type: none"> • Carpenter Helper • Concrete Finisher • Construction Trades Helper and Labourer • Demolition Worker • Drywall Installer • Helper-Construction Trades • Home Renovator