

Manufacturing, Engineering & Robotics SHSM - St. Mary's

Courses listed will count towards ANY pathway for SHSM (Apprenticeship, College, University, Workplace)

Credits can only be counted once; for example SPH4C cannot count as both a Major Credit AND an Other Credit



Major Credits			
ANY Combination of 4 Major Credits are required; up to 3 <i>ADDITIONAL</i> Co-op credits can count as Major Credits			
Major Credits in Grade 11		Major Credits in Grade 12	
Computer Science	ICS3C, ICS3U	Computer Science	ICS4C, ICS4U
Chemistry	SCH3U	Interdisciplinary Studies	IDC4U
Physics	SPH3U	Mathematics	MCV4U, MHF4U
Construction Technology	TCJ3E	Chemistry	SCH4C, SCH4U
Design Technology	TDJ3M	Physics	SPH4C, SPH4U
Fashion Design	TDP3M	Construction Technology	TCJ4E
Computer Engineering	TEJ3M	Design Technology	TDJ4M
Robotics	TER3M	Fashion Design	TDP4M
Communications Technology	TGJ3M	Computer Engineering	TEJ4M
Manufacturing Technology	TMJ3C, TMJ3E	Robotics	TER4M
Transportation Technology	TTJ3C	Communications Technology	TGJ4M
Woodworking Technology	TWJ3E	Manufacturing	TMJ4C, TMJ4E
		Transportation Technology	TTJ4C
		Woodworking Technology	TWJ4E
Dual Credit Courses include: Basic Design A&B (AEL4T/AEF4T), Welding (TLA4T), Electrical (TNC4T), General Machining (TZH4T), Robotics (TIC4T), Mechatronics (TRS4T), and a couple OYAP Level 1 Programs.			
E-learning credits earned through PRISM may be eligible to fulfill major course requirements in your sector.			
See your Guidance Counselor for more information			

Co-op Credits
2 Co-op credits are the basic SHSM requirement
Co-op Credits can be Regular Co-op, Summer Co-op, or UCEP, your Dual Credit program, or through Credits@Work at St. Louis. See Guidance for more information.

Choose 1 Other Credit from the list below (or an <i>ADDITIONAL</i> Major OR Co-op Credit)			
Entrepreneurship	BDI3C	Chemistry	SCH3U, SCH4C, SCH4U
Learning Strategies	GLE40, GLS40	Earth and Space Science	SES4U
Computer Programming or Computer Science	ICS3C, ICS3U, ICS4C, ICS4U	Workplace Science	SNC4E
Math - Workplace	MEL3E, MEL4E	Physics	SPH3U, SPH4C, SPH4U
Ontario Literacy Course	OLC40	Environmental Science	SVN3M
Biology	SBI3C, SBI3U, SBI4U		

English
Choose 1 English Credit
ENG3C or ENG4C - English, College
ENG3E or ENG4E - English, Workplace/Apprenticeship
ENG3U or ENG4U - English, University
NBE3C or NBE3U - Understanding Contemporary First Nations, Métis, & Inuit Voices
OLC40 - Ontario Secondary School Literacy Course

Mathematics	
Choose 1 Math Credit	
Calculus and Vectors	MCV4U
Foundations for College Mathematics	MBF3C, MAP4C
Functions	MCF3M, MCR3U, MHF4U
Mathematics and Data Management	MDM4U
Mathematics for College Technology	MCT4C
Mathematics for Work and Everyday Life	MEL3E, MEL4E