



Energy SHSM St. Mary's H.S.



Courses listed below will count toward your SHSM designation in any Pathway (APPRENTICESHIP, COLLEGE, UNIVERSITY, or WORKPLACE)			
Choose 4 Major Credits related to Energy Sector			
<i>Minimum one Grade 11 & one Grade 12 credit AND two credits from Grade 11 or Grade 12 (one of which can be an additional Co-op Credit)</i>			
Major Credits in Grade 11		Major Credits in Grade 12	
Geography and the Environment	CGF3M	Geography and the Environment	CGR4E, CGR4M
Computer Science	ICS3C, ICS3U	World Issues	CGW4U
Biology	SBI3C, SBI3U	Computer Science	ICS4C, ICS4U
Chemistry	SCH3U	Interdisciplinary Studies	IDC4U
Physics	SPH3U	Biology	SBI4U
Environmental Science	SVN3M	Chemistry	SCH4C, SCH4U
Construction Technology	TCJ3E	Earth and Space Science	SES4U
Design Technology	TDJ3M	Workplace Science	SNC4E
Computer Engineering	TEJ3M	Physics	SPH4C, SPH4U
Robotics	TER3M	Construction Technology	TCJ4E
Communications Technology	TGJ3M	Design Technology	TDJ4M
Green Industries	THJ3E	Computer Engineering and Robotics	TEJ4M, TER4M
Manufacturing Technology	TMJ3C, TMJ3E	Communications Technology	TGJ4M
Transportation Technology	TTJ3C	Manufacturing Technology	TMJ4C, TMJ4E
		Transportation Technology	TTJ4C
Dual Credit Courses include: Welding, Electrical Fundamentals, Masonry, and a couple OYAP Level 1 Programs. See your Guidance Counselor for more information			
Choose 1 English Credit			
ENG3C or ENG4C - English, College		ENG3U or ENG4U - English, University	
ENG3E or ENG4E - English, Workplace/Apprenticeship		OLC4O - Ontario Secondary School Literacy Course	
Choose 1 Math Credit			
Foundations for College Mathematics	MAP4C	Calculus and Vectors	MCV4U
Foundations for College Mathematics	MBF3C	Mathematics and Data Management	MDM4U
Functions & Applications	MCF3M	Mathematics for Work and Everyday Life	MEL3E
Functions	MCR3U	Mathematics for Work and Everyday Life	MEL4E
Mathematics for College Technology	MCT4C	Advanced Functions	MHF4U
Choose 1 Other Credit from the list below (or an additional Co-op Credit)			
Accounting	BAF3M, BAT4M	Computer Science	ICS3C, ICS3U, ICS4C, ICS4U
International Business	BBB4M	Math - Workplace	MEL3E, MEL4E
Entrepreneurship	BDI3C	Contemporary Indigenous Issues and Perspectives in a Global Context	NDW4M
Marketing	BMI3C	Ontario Literacy Course	OLC4O
Business Leadership	BOH4M	Biology	SBI3C, SBI3U, SBI4U
Information and Communication Technology: The Digital Environment	BTA3O	Chemistry	SCH3U, SCH4C, SCH4U
Travel and Tourism	CGG3O	Earth and Space Science	SES4U
World Issues & the Environment	CGR4E, CGW4U	Workplace Science	SNC4E
History	CHA3U, CHW3M, CHY4C, CHY4U	Physics	SPH3U, SPH4C, SPH4U
Economics	CIA4U	Environmental Science	SVN3M
Law	CLU3E, CLU3M, CLN4C, CLN4U	Technological Design	TDJ4M
Choose an Energy-Focused Cooperative Education Experience (2 Credits)			
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.			

Total number of Credits needed: 9