Manufacturing Specialist High Skills Major Pathways Chart - Huntsville HS

	Apprenticeship Pathway		College Pathway		University Pathway		Workplace Pathway	
	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12
SHSM Major (must include at least 1 grade 11 and 1 grade 12 credit; 1 credit may be substitued with an additional coop credit)	**4 credits**		**4 credits**		**4 credits**		**4 credits**	
	TCJ3E Construction Tech TDJ30 Tech Design & the Environment TMJ3E Manufacturing Tech TMW3E Welding TTJ3C Transportation Tech - Auto	SCH4C Chemistry SPH4C Physics TCJ4E Construction Tech TDJ40 Tech Design in the 21st C. TMJ4E Manufacturing Tech TMW4E Welding TTJ4C Transportation Tech - Auto	TER3M Computer Eng Tech: Robotics TTJ3C Transportation Tech - Auto	SCH4C Chemistry SPH4C Physics TER4M Computer Eng Tech: Robotics TTJ4C Transportation Tech - Auto	ICS3U Intro to Computer Science SCH3U Chemistry SPH3U Physics TER3M Computer Eng Tech: Robotics	ICS4U Computer Science MCV4U Calculus and Vectors MHF4U Advanced Functions SCH4U Chemistry SPH4U Physics TER4M Computer Eng Tech: Robotics	TCJ3E Construction Tech TDJ30 Tech Design & the Environment TMJ3E Manufacturing Tech TMW3E Welding TWJ3E Custom Woodworking	TCJ4E Construction Tech TDJ40 Tech Design in the 21st C. TMJ4E Manufacturing Tech TMW4E Welding TWJ4E Custom Woodworking
English *1 credit must be in grade 12	**1 credit**		**1 credit**		**1 credit**		**2* credits**	
	ENG3U English ENG3C English ENG3E English	ENG4U English ENG4C English ENG4E English	ENG3C English	ENG4C English	ENG3U English	ENG4U English OLC40 Ontario Literacy Course	ENG3E English	ENG4E English OLC40 Ontario Literacy Course
Math *1 credit must be in grade 12	**1 credit**		**1 credit**		**1 credit**		**1 credit**	
	MBF3C Foundations for College Math MCF3M Functions and Applications	MAP4C College & Apprenticeship Math MEL4E Math for Everyday Life	MBF3C Foundations for College Math MCF3M Functions and Applications	MAP4C College & Apprenticeship Math	MCF3M Functions and Applications MCR3U Functions	MCV4U Calculus and Vectors MDM4U Data Management MHF4U Advanced Functions	MEL3E Math for Everyday Life	MEL4E Math for Everyday Life
Business Studies or Science (may be substituted with 1 additional coop credt)	**1 credit**		**1 credit**		**1 credit**		**Not Required**	
	BDI3C Entrepeneurial Studies SBI3C Biology SVN3M Environmental Science	SCH4C Chemistry SPH4C Physics	SBI3C Biology SVN3M Environmental Science	SCH4C Chemistry SPH4C Physics	ICS3U Intro to Computer Science SBI3U Biology SCH3U Chemistry SPH3U Physics SVN3M Environmental Science	ICS4U Computer Science SBI4U Biology SCH4U Chemistry SPH4U Physics SES4U Earth and Space		
Cooperative Education	**2 credits**		**2 credits**		**2 credits**		**2 credits**	
Total Number of Credits	**9 credits**		**9 credits**		**9 credits**		**9 credits**	

Dual Credits can be used as a major credit in all pathways			
TRT4T Health and Safety Theory Applications	DCR Hand and Power Tools	TNO4T Electrical	

The chart offers an example of a student's potential SHSM pathways at the secondary school level. All courses seen on the chart are not exclusive to the specific pathway that they are listed.

Legend: E = workplace
M = mixed
C = college
U = university
T = dual credit