Manufacturing Major - Monsignor Doyle C.S.S.

Courses listed below will count toward your SHSM designation in any Pathway
(APPRENTICESHIP, COLLEGE, UNIVERSITY, or WORKPLACE)

Choose 4 Major Credits related to Manufacturing
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)

Major Credits in Grade 11	Major Credits in Grade 12
ICS3C Introduction to Computer Programming	**ICS4C** Computer Programming
ICS3U Introduction to Computer Science	**ICS4U** Computer Science
SCH3U Chemistry	**SCH4C** Chemistry
SPH3U Physics	**SCH4U** Chemistry
TCJ3C Construction Technology	**SPH4C** Physics
TDJ3M Technological Design	**SPH4U** Physics
TEJ3M Computer Engineering Technology	**TDJ4M** Technological Design
TGJ3M Communications Technology	**TEJ4M** Computer Engineering Technology
TTJ3C Transportation Technologies	**TGJ4M** Communications Technology
TWJ3E Custom Woodworking	**TTJ4C** Transportation Technology
	TWJ4E Custom Woodworking

University, College or Apprenticeship Pathway - Choose 1 English Credit (Gr. 11 or Gr. 12)
Workplace Pathway - Choose 2 English Credits (1 must be in Gr. 12)

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
OLC4O - Ontario Secondary School Literacy Course

Choose 1 Mathematics Credit

MAP4C Foundations for College Mathematics
MBF3C Foundations for College Mathematics
MCF3M Functions & Applications
MCR3U Functions
MCT4C Mathematics for College Technology
MCV4U Calculus and Vectors
MDM4U Mathematics and Data Management
MEL3E Mathematics for Work and Everyday Life
MEL4E Mathematics for Work and Everyday Life
MHF4U Advanced Functions

University, College or Apprenticeship Pathway - Choose 1 other Credit from the list below
Workplace Pathway - Another Credit from the list below is NOT necessary

BDI3C Entrepreneurship: The Venture - eLearning
ICS3C Introduction to Computer Programming
ICS3U Introduction to Computer Science
ICS4C Computer Programming
ICS4U Computer Science
SBI3C Biology
SBI3U Biology

SBI4U	Biology
SCH3U	Chemistry
SCH4C	Chemistry
SCH4U	Chemistry
SES4U	Earth and Space Science - elearning
SNC4E	Science
SNC4M	Science - elearning
SPH3U	Physics
SPH4C	Physics
SPH4U	Physics

Choose a Manufacturing-Focused Cooperative Education Experience (2 Credits)

Co-op Credits can be Regular Co-op, Summer Co-op, UCEP, or Community Build.
Dual Credits (including CCEP, CAPP, and Exploring Construction) MAY count towards your SHSM designation.
See Guidance for more information.

Total number of credits needed: 9