



Manufacturing SHSM St. Benedict 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 Sector

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	
Computer Science	ICS3C, ICS3U	Computer Science	ICS4C, ICS4U
Chemistry	SCH3U	Interdisciplinary Studies	IDC4U
Physics	SPH3U	Chemistry	SCH4C, SCH4U
Construction Technology	TCJ3E	Physics	SPH4C, SPH4U
Architectural Design	TDA3M	Construction Technology	TCJ4C, TCJ4E
Computer Engineering	TEJ3M	Architectural Design	TDA4M
Robotics	TER3M	Computer Engineering	TEJ4M
Communications Technology	TGJ3M	Robotics	TER4M
Manufacturing Technology	TMJ3C, TMJ3M, TMM3M, TMP3C	Communications Technology	TGJ4M
Transportation Technology	TTJ3C, TTJ3O	Manufacturing Technology	TMJ4C, TMJ4M, TMM4M
Transportation Technology: Small Engines	TTS3C	Transportation Technology	TTA4C, TTJ4C
Woodworking Technology	TWJ3E	Woodworking Technology	TWJ4E
		Dual Credit Courses include: Basic Design A and B, Welding, Electrical Fundamentals, 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)

Entrepreneurship

BDI3C

Biology

SBI3C, SBI3U, SBI4U

Learning Strategies

GLS4O

Chemistry

SCH3U, SCH4C, SCH4U

Computer Programming or Computer Science

**ICS3C, ICS3U, ICS4C,
ICS4U**

Physics

SPH3U, SPH4C, SPH4U

Workplace Math

MEL3E, MEL4E

Environmental Science

SVN3E

Ontario Literacy Course

OLC4O

Choose a Manufacturing-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