

Manufacturing Major - St. Mary's High School

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**

Computer Studies - **Programming** (ICS3C or ICS3U)
 Science - **Chemistry** (SCH3U)
 Science - **Physics** (SPH3U)
 Tech - **Computer Tech - Robotics** (TER3M)
 Tech - **Computer Tech** (TEJ3M)
 Tech - **Construction Tech** (TCJ3E)
 Tech - **Custom Woodworking** (TWJ3E)
 Tech - **Manufacturing Tech** (TMJ3E or TMJ3C)
 Tech - **Technological Design** (TDJ3M)
 Tech - **Transportation** (TTJ3C)

Major Credits in **Grade 12**

Computer Studies - **Programming** (ICS4C or ICS4U)
 Science - **Chemistry** (SCH4C or SCH4U)
 Science - **Fundamental** (SNC4E)
 Science - **Physics** (SPH4C or SPH4U)
 Tech - **Computer Tech** (TEJ4M)
 Tech - **Construction Tech** (TCJ4E)
 Tech - **Custom Woodworking** (TWJ4E)
 Tech - **Manufacturing Tech** (TMJ4E or TMJ4M or TMJ4C)
 Tech - **Technological Design** (TDJ4M)
 Tech - **Transportation** (TTJ4E or TTJ4C)

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)**

English, Workplace/Apprenticeship (ENG3E or ENG4E)
 English, College (ENG3C or ENG4C)
 English, University (ENG3U or ENG4U)

Choose **1** Mathematics Credit

Math - **Advanced Functions** (MHF4U)
 Math - **Calculus & Vectors** (MCV4U)
 Math - **College Technology** (MCT4C)
 Math - **Data Management** (MDM4U)
 Math - **Foundations of College Math** (MBF3C or MAP4C)
 Math - **Functions & Applications** (MCF3M)
 Math - **Functions** (MCR3U)
 Math - **Work & Everyday Life** (MEL3E or MEL4E)

University, College or Apprenticeship Pathway - Choose **1 other Credit from the list below**

Workplace Pathway - Another Credit from the list below is **NOT necessary**

Science - **Chemistry** (SCH3U or SCH4C or SCH4U)
 Science - **Environment** (SVN3E or SVN3M)
 Science - **Physics** (SPH3U or SPH4C or SPH4U)

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