

Energy 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 Energy

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**

Geography - **Physical Geography** (CGF3M)
 Science - **Biology** (SBI3C or SBI3U)
 Science - **Chemistry** (SCH3U)
 Science - **Environment** (SVN3E or SNV3M)
 Science - **Physics** (SPH3U)
 Tech - **Computer Engineering - Robotics** (TER3M)
 Tech - **Computer Engineering** (TEJ3M)
 Tech - **Construction Tech** (TCJ3E or TCJ3C)
 Tech - **Manufacturing Tech** (TMJ3E or TMJ3C)
 Tech - **Technological Design** (TDJ3M)
 Tech - **Transportation** (TTJ3C)

Major Credits in **Grade 12**

Geography - **Environment & Resource Mgmt** (CGR4M)
 Geography - **World Issues** (CGW4C)
 Science - **Biology** (SBI4U)
 Science - **Chemistry** (SCH4U)
 Science - **Earth & Space** (SES4U)
 Science - **Fundamental** (SNC4E)
 Science - **Physics** (SPH4C or SPH4U)
 Tech - **Construction Tech** (TCJ4E or TCJ4C)
 Tech - **Manufacturing Tech** (TMJ4E or TMJ4C)
 Tech - **Technological Design** (TDJ4M)
 Tech - **Transportation** (TTJ4C)

Choose **1** English Credit

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)

Choose **1** other Credit from the list below (or an additional Co-op Credit)

Business - **Entrepreneurship** (BDI3C)
 Business - **Information Technology in Business** (BTA3O)
 Business - **Leadership** (BOG4E or BOH4M)
 Business - **Marketing** (BMX3E or BMI3C)
 Geography - **Physical Geography** (CGF3M)
 Geography - **World Issues** (CGW4C or CGW4U)
 History - **American History** (CHA3U)
 History - **World History** (CHW3M)
 Law - **Canadian Law** (CLU3E or CLU3M)
 Science - **Biology** (SBI3U)
 Science - **Chemistry** (SCH3U)
 Science - **Environment** (SVN3E or SVN3M)
 Science - **Fundamental** (SNC4E)
 Science - **Physics** (SPH3U)

Choose an Energy-Focused Cooperative Education Experience (**2** Credits)

Co-op Credits can be Regular Co-op, Summer Co-op, UCEP, or Home 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