



































Sample Bundles of Credits for the SHSM–Energy: Power Generation and Distribution Focus

- ♦ Shaded boxes – required credits in the bundle for the SHSM–Energy ♦  – compulsory credits for the OSSD
- ♦ The letters C, E, M, O, and U at the end of course codes indicate the following types of courses: C – college preparation; E – workplace preparation; M – university/college preparation; O – open; U – university preparation


Apprenticeship Training Pathway		College Pathway		University Pathway		Workplace Pathway	
Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12
An optional or a compulsory credit	An optional or a compulsory credit	An optional or a compulsory credit	An optional or a compulsory credit	An optional or a compulsory credit	An optional or a compulsory credit	An optional or a compulsory credit	An optional or a compulsory credit
ENG3C  English	ENG4C  English	ENG3C  English	ENG4C  English	ENG3U  English	ENG4U  English	ENG3E  English	ENG4E  English
MBF3C  Foundations for College Mathematics	MAP4C Foundations for College Mathematics	MCF3M  Functions and Applications	MCT4C Mathematics for College Technology	MCR3U  Functions and Relations	MCV4U Calculus and Vectors	MEL3E  Mathematics for Work and Everyday Life	MEL4E Mathematics for Work and Everyday Life
BDP30 Entrepreneurship, the Enterprising Person	BTX4E Information and Communication Technology in the Workplace	SVN3M Environmental Science	SPH4C Physics	SCH3U Chemistry	SCH4U Chemistry	BDP30 Entrepreneurship, the Enterprising Person	BTX4E Information and Communication Technology in the Workplace
Energy Major TDJ30 Technological Design and the Environment	Energy Major TDJ40 Technological Design in the Twenty-first Century	Energy Major TDJ3M Technological Design	Energy Major TDJ4M Technological Design	Energy Major SPH3U Physics	Energy Major SPH4U Physics	Energy Major TDJ30 Technological Design and the Environment	Energy Major TDJ40 Technological Design in the Twenty-first Century
Energy Major TCJ3C Construction Engineering or TMJ3C Manufacturing Technology	Energy Major TCJ4C Construction Engineering or TMJ4C Manufacturing Technology	Energy Major TCJ3C Construction Engineering or TMJ3C Manufacturing Technology	Energy Major TCJ4C Construction Engineering or TMJ4C Manufacturing Technology	Energy Major TDJ3M Technological Design	Energy Major TDJ4M Technological Design	Energy Major TCJ3E Construction or TMJ3E Manufacturing Technology	Energy Major TCJ4E Construction Technology or TMJ4E Manufacturing Technology
May be used as a  Cooperative education (2 credits) In either Gr. 11 or Gr. 12		May be used as a  Cooperative education (2 credits) In either Gr. 11 or Gr. 12		May be used as a  Cooperative education (2 credits) In either Gr. 11 or Gr. 12		May be used as a  Cooperative education (2 credits) In either Gr. 11 or Gr. 12	
SVN3E Environmental Science	SPH4C Physics	BDI3C Entrepreneurship, the Venture	BOH4M Business Leadership: Management Fundamentals	SVN3M Environmental Science	MHF4U Advanced Functions	SVN3E Environmental Science	SNC4E Science

















Sample Bundles of Credits for the SHSM– Energy: Renewable and Alternative Energy Focus

- ♦ Shaded boxes – required credits in the bundle for the SHSM–Energy ♦  – compulsory credits for the OSSD
- ♦ The letters C, E, M, O, and U at the end of course codes indicate the following types of courses: C – college preparation; E – workplace preparation; M – university/college preparation; O – open; U – university preparation

Apprenticeship Training Pathway		College Pathway		University Pathway		Workplace Pathway	
Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12
An optional or a compulsory credit	An optional or a compulsory credit	An optional or a compulsory credit	An optional or a compulsory credit	An optional or a compulsory credit	An optional or a compulsory credit	An optional or a compulsory credit	An optional or a compulsory credit
ENG3C  English	ENG4C  English	ENG3C  English	ENG4C  English	ENG3U  English	ENG4U  English	ENG3E  English	ENG4E  English
MBF3C  Foundations for College Mathematics	MAP4C Foundations for College Mathematics	MCF3M  Functions and Applications	MCT4C Mathematics for College Technology	MCR3U  Functions and Relations	MCV4U Calculus and Vectors	MEL3E  Mathematics for Work and Everyday Life	MEL4E Mathematics for Work and Everyday Life
SVN3E Environmental Science	SCH4C Chemistry	SVN3M Environmental Science	CGR4M Environment and Resource Management	SVN3M Environmental Science	MHF4U Advanced Functions	SVN3E Environmental Science	BTX4E Information and Communication Technology in the Workplace
Energy Major TDJ3O Technological Design and the Environment	Energy Major TDJ4O Technological Design in the 21st Century	Energy Major TDJ3O Technological Design and the Environment	Energy Major SPH4C Physics	Energy Major SPH3U Physics	Energy Major SPH4U Physics	Energy Major TDJ3O Technological Design and the Environment	Energy Major TDJ4O Technological Design in the Twenty-first Century
Energy Major TMJ3C Manufacturing Technology or TTJ3C Transportation Technology	Energy Major CGR4E Environment and Resource Management	Energy Major TMJ3C Manufacturing Technology or TTJ3C Transportation Technology	Energy Major CGO4M Geomatics: Geotechnologies in Action	Energy Major TDJ3M Technological Design	Energy Major SES4U Earth & Space Science	Energy Major TMJ3E Manufacturing Technology or TTJ3O Transportation Technology: Vehicle Ownership	Energy Major CGR4E Environment and Resource Management
May be used as a  Cooperative education (2 credits) <i>In either Gr. 11 or Gr. 12</i>		May be used as a  Cooperative education (2 credits) <i>In either Gr. 11 or Gr. 12</i>		May be used as a  Cooperative education (2 credits) <i>In either Gr. 11 or Gr. 12</i>		May be used as a  Cooperative education (2 credits) <i>In either Gr. 11 or Gr. 12</i>	
SBI3C Biology	BTX4E Information and Communication Technology in the Workplace	BMI3C Marketing: Goods, Services, Events	SCH4C Chemistry	SCH3U Chemistry	SCH4U Chemistry	CGT3E Geographics: The Geographer’s Toolkit	SNC4E Science

Sample Bundles of Credits for the SHSM–Energy: Energy Efficiency Focus

- ♦ Shaded boxes – required credits in the bundle for the SHSM–Energy ♦  – compulsory credits for the OSSD
- ♦ The letters C, E, M, O, and U at the end of course codes indicate the following types of courses: C – college preparation; E – workplace preparation; M – university/college preparation; O – open; U – university preparation

Apprenticeship Training Pathway		College Pathway		University Pathway		Workplace Pathway	
Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12
An optional or a compulsory credit	An optional or a compulsory credit	An optional or a compulsory credit	An optional or a compulsory credit	An optional or a compulsory credit	An optional or a compulsory credit	An optional or a compulsory credit	An optional or a compulsory credit
ENG3C  English	ENG4C  English	ENG3C  English	ENG4C  English	ENG3U  English	ENG4U  English	ENG3E  English	ENG4E  English
MBF3C  Foundations for College Mathematics	MAP4C Foundations for College Mathematics	MCF3M  Functions and Applications	MCT4C Mathematics for College Technology	MCR3U  Functions and Relations	MCV4U Calculus and Vectors	MEL3E  Mathematics for Work and Everyday Life	MEL4E Mathematics for Work and Everyday Life
BDP30 Entrepreneurship: The Enterprising Person	SCH4C Chemistry or SPH4C Physics	SVN3M Environmental Science	CGO4M Geomatics: Geotechnologies in Action	SVN3M Environmental Science	SES4U Earth and Space Science	BDP30 Entrepreneurship: The Enterprising Person	CGR4E Environment and Resource Management
Energy Major TDJ30 Technological Design and the Environment	Energy Major CGR4E Environment and Resource Management	Energy Major TDJ30 Technological Design and the Environment	Energy Major SPH4C Physics	Energy Major SPH3U Physics	Energy Major SPH4U Physics	Energy Major TDJ30 Technological Design and the Environment	Energy Major TDJ40 Technological Design in the Twenty-first Century
Energy Major TCJ3C Construction Engineering Technology	Energy Major TCJ4C Construction Engineering Technology	Energy Major TCJ3C Construction Engineering Technology	Energy Major CGR4M Environment and Resource Management	Energy Major TDJ3M Technological Design	Energy Major SCH4U Chemistry	Energy Major TCJ3E Construction Technology	Energy Major TCJ4E Construction Technology
May be used as a  Cooperative education (2 credits) <i>In either Gr. 11 or Gr. 12</i>		May be used as a  Cooperative education (2 credits) <i>In either Gr. 11 or Gr. 12</i>		May be used as a  Cooperative education (2 credits) <i>In either Gr. 11 or Gr. 12</i>		May be used as a  Cooperative education (2 credits) <i>In either Gr. 11 or Gr. 12</i>	
CGT3E Geographics: The Geographer’s Toolkit	BTX4E Information and Communication Technology in the Workplace	BMI3C Marketing: Goods, Services, Events	SCH4C Chemistry	SCH3U Chemistry	MHF4U Advanced Functions	CGT3E Geographics: The Geographer’s Toolkit	SNC4E Science