

## Non-CEGEP Entry

		<b>15 credits</b>	<b>Prerequisites/Co-requisites</b>
CHEM 110	General Chemistry 1	4	P - College level mathematics and physics or permission of instructor
FACC 100	Introduction to the Engineering Profession	1	-
MATH 133	Linear Algebra and Geometry	3	P - A course in functions
MATH 140	Calculus 1	3	P - High school calculus
PHYS 131	Mechanics and Waves	4	C - Calculus course [MATH 140]
		<b>15 credits</b>	<b>Prerequisites/Co-requisites</b>
CHEM 120	General Chemistry 2	4	P - College level mathematics and physics or permission of instructor
MATH 141	Calculus 2	4	P - MATH 140
PHYS 142	Electromagnetism and Optics	4	P - PHYS 131 / C - MATH 141
CS	Complementary Studies Group B (HSSML) - 1	3	-
		<b>18 credits</b>	<b>Prerequisites/Co-requisites</b>
CCOM 206	Communication in Engineering	3	-
EPSC 221	General Geology	3	-
MATH 262	Intermediate Calculus	3	P - MATH 133, MATH 141
MATH 263	Ordinary Differential Equations for Engineers	3	C - MATH 262
MECH 289	Design Graphics	3	-
MIME 200	Introduction to the Minerals Industry	3	-
		<b>16 credits</b>	<b>Prerequisites/Co-requisites</b>
CIVE 205	Statics	3	-
COMP 208	Computers in Engineering	3	P - differential and integral calculus [MATH 140 and MATH 141] / C: linear algebra [MATH 133]
EPSC 225	Properties of Minerals	1	-
FACC 300	Engineering Economy	3	-
MATH 264	Advanced Calculus for Engineers	3	P - MATH 262 / C - MATH 263
MIME 209	Mathematical Applications	3	-
		<b>4 credits</b>	<b>Prerequisites/Co-requisites</b>
MIME 203	Mine Surveying	2	P - MECH 289
MIME 290	Industrial Work Period 1	2	P - MIME 200 and MIME 203
		<b>16 credits</b>	<b>Prerequisites/Co-requisites</b>
CIVE 207	Solid Mechanics	4	P - CIVE 205 or MECH 210
MIME 260	Materials Science and Engineering	3	-
MIME 340	Applied Fluid Dynamics	3	-
MIME xxx	Technical Complementary	3	-
CS	Complementary Studies Group B (HSSML) - 2	3	-
		<b>15 credits</b>	<b>Prerequisites/Co-requisites</b>

The Complementary Studies (CS) courses are Impact of Technology courses (Group A) and Humanities & Social Sciences, Management Studies and Law courses (Group B). Students must take one course (3 credits) from Group A and two courses (6 credits) from Group B. The curriculum above includes suggested terms during which these courses can be taken. These must be chosen from an approved list of courses/departments, found in the program list under "Complementary Studies" in the Faculty of Engineering Undergraduate section of the Programs, Courses and University Regulations publication ([www.mcgill.ca/study](http://www.mcgill.ca/study)) (see your program listing in the "Browse Academic Units & Programs" section).

Students are responsible for satisfying pre-/co-requisites and verifying with their department that they are meeting the requirements of their program.

## Technical Complementary Courses - Mining Engineering

Courses selected from those listed below or any other approved technical course(s) in Engineering, Management or Science.

Note: not all courses are given annually; verification with course instructor is advised.

		Credits	Prerequisites/Co-requisites
CFIN 410	Investment and Portfolio Management	3	P - MGCR 211, MGCR 341
CIVE 421	Municipal Systems	3	P - CIVE 327
CIVE 514	Structural Mechanics	3	P - CIVE 207 and instructor permission
CIVE 584	Groundwater Engineering	3	P - CIVE 311 or instructor permission
EPSC 320	Elementary Earth Physics	3	P - MATH 133, MATH 222, or equivalent courses
EPSC 549	Hydrogeology	3	P - Permission of instructor
FINE 482	International Finance 1	3	P - MGCR 341
MIME 320	Extraction of Energy Resources	3	-
MIME 442	Modelling and Control: Mineral Processing	3	P - MIME 341
MIME 484	Mining Project	3	P - 85 credits completed
MIME 494	Industrial Work Period 4	3	P - MIME 419, MPMC 328, MPMC 421
MIME 520	Stability of Rock Slopes	3	P - Permission of instructor
MIME 527	Selected Topics in Mineral Resource Engineering	3	P - 85 credits
MIME 544	Analysis: Mineral Processing Systems 1	3	P - MIME 341
MIME 545	Analysis: Mineral Processing Systems 2	3	P - MIME 341
MIME 588	Reliability Analysis of Mining Systems	3	P - Permission of instructor
MPMC 320	CAO et informatique pour les mines	3	-

Last update: April 27, 2016

For the official program listing, see the *Programs, Courses and University Regulations* publication ([www.mcgill.ca/study](http://www.mcgill.ca/study)).