

# Mining Engineering Curriculum - Fall 2014

CEGEP Entry

<b>1st Semester (Fall)</b>		18 credits	Prerequisites/Co-requisites
CCOM 206	Communication in Engineering	3	-
EPSC 221	General Geology	3	-
MATH 262	Intermediate Calculus	3	P - MATH 141, MATH 133
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>2nd Semester (Winter)</b>		17 credits	Prerequisites/Co-requisites
CIVE 205	Statics	3	-
COMP 208	Computers in Engineering	3	P - MATH 140, MATH 141
EPSC 225	Properties of Minerals	1	-
FACC 100	Introduction to the Engineering Profession	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>3rd Semester (Summer)</b>		4 credits	Prerequisites/Co-requisites
MIME 203	Mine Surveying	2	P - MECH 289
MIME 290	Industrial Work Period 1	2	P - MIME 200 or MIME 203
<b>4th Semester (Fall)</b>		16 credits	Prerequisites/Co-requisites
CIVE 207	Solid Mechanics	4	P - CIVE 205 or MECH 210
ECSE 461	Electric Machinery	3	-
MIME 260	Material Science and Engineering	3	-
MIME 340	Applied Fluid Dynamics	3	P - CIVE 205
CS	Complementary Studies Group B (HSSML)	3	-
<b>5th Semester (Winter)</b>		15 credits	Prerequisites/Co-requisites
MIME 322	Rock Fragmentation	3	P - MIME 200
MIME 323	Rock and Soil Mass Characterization	3	P - EPSC 221, MIME 200
MIME 325	Mineral Industry Economics	3	P - FACC 300/MIME 310
MIME 333	Materials Handling	3	P - MIME 200
MIME 341	Introduction to Mineral Processing	3	P - MIME 200 or MIME 250
<b>6th Semester (Summer)</b>		2 credits	Prerequisites/Co-requisites
MIME 291	Industrial Work Period 2	2	P - MIME 290
<b>7th Semester (Fall)</b>		17 credits	Prerequisites/Co-requisites
MIME 413	Strategic Mine Planning with Uncertainty*	3	P - MIME 325, MIME 419, MPMC 326, and MPMC 329
MPMC 321	Mécanique des roches et contrôle des terrains	3	P - MIME 323
MPMC 326	Recherche opérationnelle I	3	P - MATH 262
MPMC 329	Géologie minière	2	P - EPSC 221, MIME 200, MIME 209
MPMC 330	Géotechnique minière	3	P - MIME 323
MIME xxx	Technical Complementary	3	-
<b>8th Semester (Winter)</b>		2 credits	Prerequisites/Co-requisites
MIME 392	Industrial Work Period 3	2	P - MIME 291, 75 program credits
<b>9th Semester (Summer)</b>		15 credits	Prerequisites/Co-requisites
MIME 419	Surface Mining	3	P - MIME 322, MIME 325, MIME 333
MIME 422	Mine Ventilation	3	P - MIME 340
MPMC 328	Environnement et gestion des rejets miniers	3	P - MIME 200, MIME 291
MPMC 421	Exploitation en souterrain	3	P - MIME 322, MIME 325, MIME 333
MIME xxx	Technical Complementary	3	-
<b>10th Semester (Summer)</b>		16 credits	Prerequisites/Co-requisites
FACC 400	Engineering Professional Practice	1	P - FACC 100, 60 program credits
MIME 425	Applied Stochastic Orebody Modelling*	3	P - MPMC 326, MPMC 329
MIME 426	Mine Design and Feasibility Study Project	6	P - MIME 333, ECSE 461
MIME xxx	Technical Complementary	3	-
CS	Complementary Studies Group A (Impact)	3	-

The Complementary Studies (CS) courses are Impact of Technology courses (Group A) and Humanities & Social Sciences, Management Studies and Law courses (Group B). 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 the Academic Programs section).

MIME 320

**Credits**

**Prerequisites/Co-requisites**