

# Architecture Curriculum - Fall 2016

## Non-CEGEP Entry

<b>1st Term (Fall)</b>		14 credits	Prerequisites / Co-requisites
CHEM 110	General Chemistry 1	4	P - College level mathematics and physics or permission of instructor
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>2nd Term (Winter)</b>		12-15 credits	Prerequisites / Co-requisites
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
(EC)	(Elective)*	(3)	-
<b>3rd Term (Fall)</b>		17 credits	Prerequisites / Co-requisites
ARCH 201	Communication, Behaviour and Architecture	6	-
ARCH 221	Architectural Drawing	2	-
ARCH 241	Architectural Structures	3	-
ARCH 250	Architectural History 1	3	-
FACC 220	Law for Architects and Engineers	3	-
<b>4th Term (Winter)</b>		16 credits	Prerequisites / Co-requisites
ARCH 202	Architectural Graphics and Elements of Design	6	P - ARCH 201
ARCH 240	Organization of Materials in Buildings	3	-
ARCH 251	Architectural History 2	3	P - ARCH 250
CIVE 284	Structural Engineering Basics	4	-
<b>5th Term (Summer)</b>		0-7 credits	Prerequisites / Co-requisites
(ARCH xxx)	(Architectural Complementary)**	(3-4)	-
(EC)	(Elective)*	(3)	-
<b>6th Term (Fall)</b>		17 credits	Prerequisites / Co-requisites
ARCH 303	Design and Construction 1	6	P - ARCH 202
ARCH 342	Digital Representation	3	P - ARCH 201 and ARCH 221 (or instructor approval)
ARCH 354	Architectural History 3	3	P - ARCH 250, ARCH 251
ARCH 375	Landscape	2	-
CIVE 385	Structural Steel and Timber Design	3	P - CIVE 284 / C - ARCH 240
<b>7th Term (Winter)</b>		15-18 credits	Prerequisites / Co-requisites
ARCH 304	Design and Construction 2	6	P - ARCH 303
ARCH 355	Architectural History 4	3	P - ARCH 250, ARCH 251
ARCH 377	Energy, Environment and Buildings	3	P - ARCH 202 or permission of instructor
CIVE 388	Foundation and Concrete Design	3	P - CIVE 284
(ARCH xxx)	(Architectural Complementary)**	(3)	-
<b>8th Term (Summer)</b>		0-7 credits	Prerequisites / Co-requisites
(ARCH xxx)	(Architectural Complementary)**	(3-4)	-
(EC)	(Elective)*	(3)	-
<b>9th Term (Fall)</b>		15-18 credits	Prerequisites / Co-requisites
ARCH 325	Architectural Sketching	2	-
ARCH 405	Design and Construction 3	6	P - ARCH 304
ARCH 447	Lighting	2	P - ARCH 304
ARCH 512	Architectural Modelling	3	P - ARCH 304, ARCH 342
CIVE 492	Structures	2	P - CIVE 385, CIVE 388
(ARCH xxx)	(Architectural Complementary)**	(3)	-
<b>10th Term (Winter)</b>		8-17 credits	Prerequisites / Co-requisites
ARCH 406	Design and Construction 4	6	P - ARCH 405
ARCH 451	Building Regulations and Safety	2	P - ARCH 405
(ARCH xxx)	(Architectural Complementary)**	(3)	-
(ARCH xxx)	(Architectural Complementary)**	(3)	-
(EC)	(Elective)*	(3)	-

\*6 credits of elective courses (EC) must be completed, chosen from courses outside the School of Architecture, approved by the Architecture student adviser. Suggested terms in which these courses can be taken are given above.

\*\*Architectural Complementary courses are selected from an approved list given on the next page. Suggested terms in which these courses can be taken are given above.

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

# Architectural Complementary Courses

6 credits from the following:

		Credits	Prerequisites/Co-requisites
ARCH 378	Site Usage	3	P - ARCH 202 or instructor permission
ARCH 379	Summer Course Abroad	3	P - ARCH 202 or instructor permission
ARCH 383	Geometry and Architecture	3	P - ARCH 202 or instructor permission
ARCH 461	Freehand Drawing and Sketching	1	P - ARCH 324
ARCH 490	Selected Topics in Design	2	P - ARCH 202 or instructor permission
ARCH 514	Community Design Workshop	4	P - ARCH 202
ARCH 515	Sustainable Design	3	P - ARCH 377 or instructor permission
ARCH 517	Sustainable Residential Development	3	P - ARCH 377 or equivalent
ARCH 520	Montreal: Urban Morphology	3	P - ARCH 251
ARCH 521	Structure of Cities	3	P - ARCH 202
ARCH 523	Significant Texts and Buildings	3	P - ARCH 251
ARCH 525	Seminar on Analysis and Theory	3	P - ARCH 202 or instructor permission
ARCH 526	Philosophy of Structure	3	P - ARCH 202 or instructor permission
ARCH 527	Civic Design	3	P - ARCH 378
ARCH 528	History of Housing	3	P - ARCH 251 or instructor permission
ARCH 529	Housing Theory	3	P - ARCH 528 or instructor permission
ARCH 531	Architectural Intentions Vitruvius - Renaissance	3	P - ARCH 251
ARCH 532	Origins of Modern Architecture	3	P - ARCH 251
ARCH 533	New Approaches to Architectural History	3	P - ARCH 251 or instructor permission
ARCH 535	History of Architecture in Canada	3	P - ARCH 251 or instructor permission
ARCH 536	Heritage Conservation	3	P - ARCH 251 or instructor permission
ARCH 540	Selected Topics in Architecture 1	3	-
ARCH 541	Selected Topics in Architecture 2	3	-
ARCH 564	Design for Development	3	Permission of instructor
ARCH 566	Cultural Landscapes Seminar	3	-
OCC1 442	Environments for the Disabled	2	P - ARCH 303

**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)).