

## Construction Management Degree Program

Course Code	Course Name	Cr. Hours	CE Equivalencies	
<b>YEAR 1 WINTER SEMESTER 101 (August to December) TERM 1</b>				
CMDP-1001	Algebra & Trigonometry	4	CIVL-1011 Algebra & Trigonometry 1	D
CMDP-1002	Computer & Communication Fundamentals	2	None	
CMDP-1003	Construction Graphics 1	4	DRAF-1000 Drafting Fundamentals and CADD-1002/1003 AutoCAD 1	C
CMDP-1004	Construction Industry Overview	2	None	D
CMDP-1005	Statics	3	CIVL-1013 Statics & Strength of Materials 1	
CMDP-2005	Surveying 1	3	CIVL-1014 Surveying 1	D
SAFE-1028	WHMIS	0		
SEMR-9209	General Safety Training	0		
<b>YEAR 1 WINTER SEMESTER 102 (January to April) TERM 2</b>				
CMDP-1006	Technical Communications	3	COMM-1243 Technical Communication 1	D
CMDP-1007	Materials and Methods 1	3	DRAF-1007 Commercial Construction or CONS-1009 Bldg. Materials	C
CMDP-1008	Construction Safety	2	None	
CMDP-1009	Probability and Statistics	4	MATH-1020 Statistics	C
CMDP-1011	Strength of Materials	3	CIVL-2025 Statics & Strength of Materials 2	D
CMDP-2011	Surveying 2	3	CIVL-2026 Surveying 2	D
<b>YEAR 1 CO-OP SEMESTER 103</b>				
CMCO-1001	Co-op Work Placement	9	None	

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	Course Code	Course Name	Cr. Hours	CE Equivalencies	
<b>YEAR 2 FALL SEMESTER 204 (October to January)</b>					
	CMDP-1010	Report Writing	3	COMM-1000 Business Communication 1	D
	CMDP-2000	Materials and Methods 2	3	None	
	CMDP-2001	Environmental Management	3	None	
	CMDP-2002	Infrastructure Design 1	3	None	
	CMDP-2003	Structural Analysis 1	3	None	
	CMDP-3003	Project Management 1	3	CONS-1003 Const. PM Basic Principles or PROJ-1030 PM Fundamentals or CIVC-1044 Project Administration or MGMT-1019 PM Fundamentals	C/D
<b>YEAR 2 WINTER SEMESTER 205 (February to April)</b>					
	CMDP-1012	Values and Ethics in Technology	3	CIVL-1020 Professional Ethics	D
	CMDP-2004	Structural Design 1	3	None	
	CMDP-2006	Building Systems and Codes	3	CONS-1001 Building Code Analysis	C
	CMDP-2007	Infrastructure Design 2	3	None	
	CMDP-2008	Materials Science and Testing	3	None	
	CMDP-2009	Structural Analysis 2	3	None	
<b>YEAR 2 CO-OP SEMESTER 206</b>					
	CMCO-2002	Co-op Work Placement	9		

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<b>YEAR 3 FALL SEMESTER 307</b>					
	CMDP-2010	Structural Design 2	3	None	
	CMDP-3000	Construction Planning & Scheduling	3	PROJ-1002 PM Planning and estimating and PROJ-1196 PM Risk	C/D
	CMDP-3001	Human Behavior-Construction Organization	3	HUMR-1019 or HUMR-1010 Human Behavior in Organizations	D
	CMDP-3004	Quantity Surveying	3	None	
	CMDP-3005	Construction Law and Documents	3	CONS-1002 Construction Law and Documents	C
<b>YEAR 3 WINTER SEMESTER 308</b>					
	CMDP-3002	Principles of Management & Leadership	3	MGMT-1161 Mgmt Principles or MGMT-1167 Principles of Supervision & Leadership 1	C / D
	CMDP-3006	Energy Efficient Systems in Construction	3	None	
	CMDP-3007	Estimating-Heavy Const or Bldg Const	3	None	
	CMDP-3008	Project Costing Control & Accounting	3	None	
	CMDP-3009	Project Management 2	3	None	
<b>YEAR 3 ELECTIVES</b>					
	CMEL-4000	Sustainable Infrastructure	3	None	
	CMEL-4001	Building Green	3	None	
	CMEL-4002	Building Information Modelling	3	CADD-1001 Revit 1 or CIVL-2004 Advanced CAD	D
	CMEL-4003	Construction Labour Relations	3	HUMR-1002 Labour Relations	C/D
	CMEL-4004	Design-Build Projects	3	None	
<b>YEAR 3 CO-OP SEMESTER 309</b>					
	CMCO-3000	Co-op Work Placement	9		

**CONSTRUCTION TECHNOLOGY  
DIPLOMA**

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<b>YEAR 4 FALL SEMESTER 410</b>					
	CMDP-4000	Applied Research Methods - Capstone 1	3	None	
	CMDP-4001	Engineering Economics	3	CIVL-3026 Engineering Economics	D
	CMDP-4002	Inspection: Heavy Const or Bldg Const	3	None	
	CMDP-4003	Managerial Communication	3	COMM-1190 Managerial Communications or COMM-1018 PM Communications	C/D
	CMDP-4004	Quality Control	3		
<b>YEAR 4 WINTER SEMESTER 411</b>					
	CMDP-4005	Applied Research Methods - Capstone 2	3	None	
	CMDP-4006	Construction & Environmental Issues	3	None	
	CMDP-4007	Human Resource Management	3	HUMR-1015 or MGMT-1080 or HUMR-3003 Human Resource Management	C/D
	CMDP-4008	Risk Management	3	None	
	CMDP-4009	Water & Wastewater	3	None	
<b>YEAR 4 ELECTIVES</b>					
	CMEL-4003	Construction Labour Relations	3	HUMR-1002 Labour Relations	D
	CMEL-4005	Diversity & Workplace Culture	3	None	
	CMEL-4010	International Construction Projects	3	None	
	CMEL-4011	Construction Jobsite Management	3	CONS-1005 Construction Jobsite Management	C
	CMEL-4012	MB Energy Code for Buildings	3	None	
<b>BRIDGING</b>					
	CMDP-2016	Structural Design		needed for ENV, GEO, MUN grads	
	CMDP-2015	Structural Analysis		needed for ENV, GEO, MUN grads	
	CMDP-2013	Materials & Methods		needed for ENV, GEO, MUN, STRUC grads	
	CMDP-2014	Infrastructure		needed for A/E, ENV, STR grads	

**BACHELOR OF TECHNOLOGY IN  
CONSTRUCTION MANAGEMENT**