

BACHELOR OF SCIENCE IN CONSTRUCTION MANAGEMENT PROGRAM OUTLINE

Required Coursework for B.S. in Construction Management

REQUIRED MAJOR COURSEWORK - 106 CREDITS		
AR271	Building Systems I	3
AR303	Architectural Design III	6
AR321	Structural Systems I	3
AR372	Building Systems II	3
CM153	Introduction to Construction Management and Team Building	3
CM201	Construction Graphics & Documents	5
CM202	Construction-Estimating	5
CM222	Structures	4
CM301	Residential and Light Commercial Construction	4
CM302	Commercial Construction Practices	5
CM303	Advanced Scheduling & Estimating Controls	5
CM306	Fundamentals of Construction Scheduling	5
CM352	Construction Finance and Accounting	4
CM353	Construction Safety	3
CM354	Construction Law	3
CM401	Project Delivery Systems	5
CM403	Senior Capstone Integration Project	5
CM451	Project Management	5
CM452	Heavy/Civil Construction	3
CM454	Construction Inspection and Quality Control	5
CM455	Managing Models of the Built Environment	5
CM5211	Plan Reading / Analog and Digital	3
CM5311	Green Building Laboratory	5
CM5431	Jobsite Leadership and Management	3
CM5521	Life Cycle Cost Accounting	4
CSC5021	Advanced CAD	3

REQUIRED INTEGRATIVE STUDIES COURSEWORK -68 CREDITS		
ACC273	Financial and Managerial Accounting	3
BUS281	Business Law	3
BUS282	Principles of Management	3
BUS381	Principles of Real Estate	3
COM113	Speech Communication	3
ECN281	Microeconomics	3
ECN282	Macroeconomics	3
ENG111	English Composition	3
ENG112	Advanced English Composition	3
ENG213	Business Communication	3
MTH174	Geometry	3
PHL261	Ethics	3
POL181	Introduction to Political Science	3
PSY181	General Psychology	3
RSH481	Introduction to Research	3
SCI170	Physics I	3
SCI 270	Geology	3
SCI272	Physics II	4
SOC380	Issues of Gender, Race, & Class	3
SPN111	Spanish I	3
SPN112	Spanish II	3
SPN113	Spanish III	3

CREDIT BREAKDOWN

Credits	% of Total	Area
107	59%	Required Major Course Credits
67	37%	Required Integrative Studies Credits
6	4%	Elective Professional Credits

180 Total Credits

Electives for the Bachelor of Science in Construction Management Program

Other electives: Courses in other programs not listed here may be available for professional elective credit. Those interested should contact their Program Chair.

BACHELOR OF SCIENCE IN CONSTRUCTION MANAGEMENT

A graduate of the construction management program will have successfully demonstrated leadership, business management acumen, and technological understanding of the current practices and theories in construction management. Through coursework, community involvement, and other extracurricular activities, students will gain an appreciation for the urban environment and study methods of reusing current buildings toward a broader definition of responsible, energy-efficient practices. During their tenure at NewSchool, students will learn how to add their own world view serving as an exemplar of the socially conscious, critical-thinking construction manager equipped to solve emerging problems of the 21st century construction industry. The Bachelor of Science in Construction Management prepares students to enter the construction management profession working with designers, owners, and constructors. Students must complete a minimum of 180 quarter credits. It typically requires 4 academic years of full-time study to complete.

CONSTRUCTION MANAGEMENT PROGRAM LEARNING OUTCOMES

- Demonstrate the use of advanced verbal, written, and graphical communication competencies.
- Manage intercultural teams as a leader by setting a direction, aligning resources, and positively motivating others.
- Apply integrative thinking to business, technical, and social uncertainties.
- Differentiate methods to preserve scarce natural resources.

BACHELOR OF SCIENCE IN CONSTRUCTION MANAGEMENT PROGRAM OUTLINE

	YEAR 1	YEAR 2	YEAR 3	YEAR 4
FALL	CM153 Intro to Const. Mgmt. & Team Building (3)	ACC273 Financial/Managerial Accounting (3)	BUS281 Business Law (3)	CM451 Project Management (5)
	CM5211 Plan Reading / Analog & Digital (3)	AR372 Building Systems II (3)	CM301 Residential and Light Commercial Construction (4)	CM454 Construction Inspection & Quality Control (5)
	ENG111 English Composition (3)	AR321 Structural Systems I (3)	CM306 Fundamentals of Construction Scheduling (5)	CM455 Managing Models of the Built Environment (5)
	MTH174 Geometry (3)	SCI270 Geology (3)	RSH481 Introduction to Research (3)	
	SPN111 Spanish I (3)	SOC380 Issues of Gender, Race, & Class (3)		
TOTAL CREDITS	15	15	15	15

WINTER	ENG112 Advanced English Composition (3)	BUS282 Principles of Management (3)	CM5521 Life Cycle Cost Accounting (4)	CM303 Advanced Scheduling & Project Controls (5)
	AR271 Building Systems I (3)	CM222 Structures (4)	CM302 Commercial Construction Practices (5)	CM353 Construction Safety (3)
	CSC5021 Advanced CAD (3)	ECN281 Microeconomics (3)	CM352 Const. Finance & Accounting (4)	CM452 Heavy/Civil Construction (3)
	SCI170 Physics I (3)	ENG213 Business Communication (3)	Professional Elective (3)	Professional Elective (3)
	SPN112 Spanish II (3)	PSY181 General Psychology (3)		
TOTAL CREDITS	15	16	16	14

SPRING	CM201 Construction Graphics & Docs (5)	AR303 Architectural Design III (6)	CM354 Construction Law (3)	CM5311 Green Building Laboratory (5)
	SPN113 Spanish III (3)	ECN282 Macroeconomics (3)	CM401 Project Delivery Systems (5)	CM403 Senior Capstone Integration Project (5)
	SCI272 Physics II (4)	CM202 Construction-Estimating (5)	BUS381 Principles of Real Estate (3)	CM5431 Jobsite Leadership and Management (3)
	MTH172 Trigonometry (3)	Integrative Studies Elective (3)	Professional Elective (3)	
	COM113 Speech Communication (3)		PHL261 Ethics (3)	POL181 Intro to Political Science (3)
TOTAL CREDITS	15	14	14	16

TOTAL ANNUAL CREDITS	45	45	45	45
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TOTAL PROGRAM CREDITS = 180