

CONSTRUCTION MANAGEMENT (M.S.)

Requirements Curriculum

Course	Title	Credits
Core Courses		
REAL 5051	Advanced Construction Contracts, Claims, and Dispute Resolution	3
REAL 6051	Advanced Construction Methods and Materials	3
REAL 5056	Construction Scheduling and Impact Analysis	1.5
REAL 5054	Construction Cost Estimating and Bidding Strategies	1.5
REAL 5052	Construction Financial Management	1.5
REAL 5014	Negotiation	1.5
REAL 5058	Pre-Construction Project Planning and Development	3
REAL 5060	Construction Project Delivery	3
Elective Courses		9
Select 9 credits from the list below.		
Capstone		
REAL 6300	Applied Project	3
Total Credits		30

Construction Management Electives

Courses in this group have the CONM attribute.

Course	Title	Credits
REAL 5002	Real Estate Finance	3
REAL 5104	The Real Estate Development Process	3
REAL 6001	Real Estate Financial Modeling	1.5
REAL 6004	Adaptive Reuse and Sustainability	1.5
REAL 6006	Development Project Leadership, Management and Communications	1.5
REAL 6008	Affordable Housing	1.5
REAL 6009	Commercial Leasing	1.5
REAL 6010	Development Project Finance	1.5
REAL 6011	Building Systems, Operations, and Maintenance	1.5
REAL 6013	Real Estate Management	3
REAL 6014	Land Use Law	1.5
REAL 6016	Real Estate Entrepreneurship Business Planning	1.5
REAL 6021	Special Topics in Construction	1.5
REAL 6022	Special Topics in Real Estate	1.5

About the Curriculum

Core

The 18-credit core curriculum is designed to give students an in-depth mastery of the academic disciplines and applied functional areas necessary to every construction and real estate project professional's success. The core leaves students with essential analysis, critical thinking and decision-making skills while creating a common student experience that fosters community. Students are required to complete all 18 core credits. The core requirements of the Master of Science in Construction Management are designed to ensure that every graduate has a grasp of the most important elements of construction project planning and management, contracts, methods and materials, estimating, scheduling, financial and cost management, risk assessment, risk management, quality control, communication, leadership, ethics, and negotiation while the electives allow each student to pursue a specific subject area.

Electives

The 9-credit elective course requirement offers students the opportunity to immerse themselves in specialized topics of their choice. Students may assemble their own elective sequences or select the courses that are part of the Advanced Certificate in Real Estate Management.

Capstone

The 3-credit capstone is the culmination of all the knowledge and skills acquired throughout the program. Students must be able to assimilate all that they have learned in the core courses and apply it within the context of a real-world setting. Subject to adviser pre-approval, students undertake an Applied Project (REAL 6300) under the direction of a faculty supervisor, that upon completion demonstrates professional-level mastery of the subject matter involved.