

**MASTER OF CONSTRUCTION MANAGEMENT –
MASTER OF ARCHITECTURE JOINT DEGREE**

Fall 2024-Summer 2025
Washington University
McKelvey School of Engineering - Sever Institute

NAME: _____ Student ID #: _____ SEMESTER ADMITTED: _____

The MCM-M-Arch degree is comprised of 30 units:

9 MCM-M-Arch Shared Units – Complete 3 courses for total of 9 units

Course #	Course Title	Units	Offered	Earned
T64-523A*	Construction Cost Estimating	3	SP	
T64-573*	Fundamentals of Construction Management	3	FL/SP	
T64-574C*	Construction Project Planning & Scheduling	3	FL	

*Courses are covered by Arch funding; should be taken earlier in your program

Total: 9

9 Architecture Units – Complete 3 courses for total of 9 units

Course #	Course Title	Units	Offered	Earned
A46-		3		
A46-		3		
A46-		3		

See reverse side for approved courses. Waived courses cannot be applied

Total: 9

+12 – Complete 12 units in addition to M-Arch courses:

Course #	Course Title	Units	Offered	Earned
T55-587	Communication Excellence for Influential Leadership	3	FL/SP/SU	
T64-572	Legal Aspects of Construction	3	SP	
T64-581A~ AND T64-581B~ OR T64-599	MCM/M.Arch Capstone Project – Phase I AND MCM/M.Arch Capstone Project – Phase II OR Applied Research	1 2 3	FL/SP/SU SU/See Dept.	
See list below	Approved Elective from list below	3	See below	

~ Be sure to uncheck box for "Hide Independent Study Sections" in WUCRSL

Total: 12

Elective Options:

Technology

Course #	Course Title	Units	Offered	Earned
T64-580B	Digital Construction Technology	3	SP	
T55-510	Understanding Emerging & Disruptive Technologies	3	FL	
T81-506	Fundamentals of Information Technology	3	FL/SP	
T81-575	Enterprise Data Management	3	FL	
T83-559	Introduction to Cybersecurity	3	FL/SP	

Project Management

T64-550D	Heavy Civil Construction Management	3	SU	
T55-531	Intro to Agile Project Management	3	FL	
T55-532	The Art and Science of Risk Management	3	FL	

Leadership

T55-581	Leading in a Technology-Rich World	3	TBA	
T55-582	Human Performance in the Organization	3	SP/SU	
T55-586	Cross-Cultural Negotiation	3	SP/SU	
T64-579	Advanced Construction Management	3	FL/SP/SU	

ALL STUDENTS IN THE SEVER INSTITUTE MUST REGISTER EVERY SEMESTER UNTIL ALL DEGREE REQUIREMENTS ARE COMPLETED. All requirements for the degree must be completed within six years from the time the student is admitted to graduate standing.

9 Architecture Units – Complete 3 courses for total of 9 units

The following courses are approved for the nine (9) Architecture Units

A46 ARCH 435F	Precast Concrete Enclosures
A46 ARCH 436B	BIM in Practice
A46 ARCH 436D	Advanced BIM in Practice
A46 ARCH 438	Environmental Systems I
A46 ARCH 439	Environmental Systems II
A46 ARCH 445	Building Systems
A46 ARCH 447A	Structures I
A46 ARCH 448A	Structures II
A46 ARCH 457G	Creating a Resilient City: Gateway South, St. Louis
A46 ARCH 462N	Constructing Ideas
A46 ARCH 462P	The Competition of Solar Decathlon Building Challenge
A46 ARCH 462S	Solar Decathlon Design Challenge
A46 ARCH 472	Sustainable Development
A46 ARCH 530H	Special Topics in Professional Practice
A46 ARCH 538A	Technology Transfer
A46 ARCH 538C	Advanced Building Systems
A46 ARCH 573B	Alternative Modes of Professional Practice
A46 ARCH 574B	Principles of the Virtual Design and Construction (VDC) Process
A46 ARCH 646	Professional Practice I
A46 ARCH 648F	Project Design Realization: From Concept to Construction

Other courses may be used with GSCM Program Director per-approval.