

MASTER OF ENGINEERING MANAGEMENT
Fall 2025-Summer 2026
Washington University McKelvey School of Engineering - Sever Institute

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

Required Courses – complete 6 courses a total of 18 units

Course #	Course Title	Units	Offered	Earned
*T55-5504	Engineering Mgmt. & Financial Intelligence	3	FL/SP	
*T55-5507	Strategic Engineering Management	3	FL/SP	
	OR			
*T55-5508	Marketing Innovation	3	FL/SP	
*T55-5510	Understanding Emerging & Disruptive Technologies	3	FL/SP	
*T55-5530	Project Planning Methodologies	3	FL/SP/SU	
*T55-5581	Leading in a Technology-Rich World	3	FL/SP/SU	
	OR			
*T55-5582	Human Performance in the Organization	3	SP/SU	
*T55-5985	MEM Capstone (<i>Recommended to be completed in the final semester</i>)	3	FL/SP/SU	
Total Required Units		18		

Emphasis Area Electives – choose 4 courses or total of 12 units from the courses listed below:

Applied Data Analytics emphasis area.

Course #	Course Title	Units	Offered	Earned
T81-5509	Fundamentals of Information Technology	3		
T81-5574	Foundations of Analytics*	3		
T81-5575	Enterprise Data Management	3		
T81-5576	Analytics Applications* (<i>completion of T81-574 recommended</i>)	3		

**This course has a strong math/technology emphasis*

Computer Science & Security emphasis area

T55-5505	Decision Analysis & Optimization	3		
T83-5559	Introduction to Cybersecurity	3		
T83-5560	Cybersecurity Technical Fundamentals*	3		
T83-5567	The Hacker Mindset: Cyber Attack Fundamentals*	3		
T83-5568	Emerging Issues and Technology in Cybersecurity	3		
E81-501N	Introduction to Computer Science*	3	CSE	
E81-502N	Data Structures and Algorithms*	3	CSE	

**This course has a strong math/technology emphasis*

Managing, Leading & Innovating emphasis area

T55-5520	Intro to Innovation & Entrepreneurship	3		
T55-5525	Innovating for Defense	3		
T55-5527	Entrepreneurship: Challenges & Opportunities	3		
T55-5528	Legal Concepts for Engineering and Technical Managers	3		
T55-5581	Leading in a Technology-Rich World	3		
T55-5582	Human Performance in the Organization	3		
T55-5586	Cross-Cultural Negotiation	3		
T55-5587	Communication Excellence for Influential Leadership	3		
B63-501C	CEL Entrepreneur Consulting Team	3	Olin	
T55-5600	Supply Chain Management	3		

Project Management and Operational Excellence emphasis area

T55-5531	Intro to Agile Project Management	3		
T55-5532	The Art & Science of Risk Management	3		
T64-523A	Construction Cost Estimating	3		
T64-5572	Legal Aspects of Construction	3		
T64-5573	Fundamentals of Construction Management	3		

Total Elective Units

12

Total Units

30

ALL STUDENTS IN THE SEVER INSTITUTE MUST REGISTER EVERY FALL & SPRING 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. A maximum of 6 units of graduate credit may be transferred with approval of Program Director.