

**MASTER OF INFORMATION SYSTEMS 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
T81-5517	Operational Excellence & Service Delivery	3	FL/SP	
T81-5540	IT Architecture & Infrastructure	3	FL/SP	
T81-5563	IT Governance & Risk Management	3	FL/SP	
T81-5575	Enterprise Data Management	3	FL/SP	
T83-5559	Introduction to Cybersecurity	3	FL/SP	
T81-5985	Capstone ( <i>should be completed in the final semester</i> )	3	FL/SP	
<b>Total Required Units</b>		<b>18</b>		

**Bridge Course** (counts as 1 elective if taken)

T81-5509	Fundamentals of Information Technology	3	FL/SP	
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**Emphasis Area Electives** – choose 4 courses or total of 12 units from one or more of the emphasis areas listed below:

**Cybersecurity emphasis area**

Course #	Course Title	Units	Offered	Earned
T83-5560	Cybersecurity Technical Fundamentals	3		
T83-5561	Oversight for Excellence Cybersecurity Management & Governance	3		
T83-5562	Efficient and Effective Cybersecurity Operations	3		
T81-5563	Enterprise Network Security	3		
T83-5566	Cybersecurity Risk Management	3		
T83-5567	The Hacker Mindset: Cyber Attack Fundamentals	3		

**Management emphasis area**

T55-5527	Entrepreneurship: Challenges & Opportunities	3		
T55-5582	Human Performance in the Organization	3		
T55-5587	Communication Excellence for Influential Leadership	3		
T83-5570	Leadership Seminar for Technology Professionals ( <i>work experience required</i> )	3		
T55-5504	Engineering Management & Financial Intelligence	3		
T55-5505	Decision Analysis & Optimization	3		
T55-5600	Supply Chain Management	3		

**Applied Data Analytics and Machine Learning emphasis area**

T81-552	Special Topics in Information Technology	3		
T81-5558	Applications of Deep Neural Networks	3		
T81-5559	Applications of Generative AI and LLM	3		
T81-5574	Foundations of Analytics	3		
T81-5576	Analytics Applications ( <i>completion of T81-574 recommended</i> )	3		
T81-5559	Applications of Generative AI and LLM	3		

**Mathematical Data Analytics emphasis area**

L24-494	Mathematical Statistics	3	ESE	
E35-415	Optimization	3	ESE	
~E81-412A	Introduction to Artificial Intelligence	3	CSE	
~E35-417	Introduction to Machine Learning and Pattern Classification	3	ESE	
~E81-514A	Data Mining	3	CSE	
~E81-517A	Machine Learning	3	CSE	

**AI & Machine Learning emphasis area**

~E81-412A	Introduction to Artificial Intelligence	3	CSE	
~E35-417	Introduction to Machine Learning and Pattern Classification	3	ESE	
~E81-514A	Data Mining	3	CSE	
~E81-517A	Machine Learning	3	CSE	
E81-519T	Advanced Machine Learning	3	CSE	

**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.

~ Courses offered in other departments give priority registration to their students. There is a chance you may not get into these courses, but you are still encouraged to enroll. It is also your responsibility to check the

