



MASTER OF SCIENCE IN CYBERSECURITY (30 CREDITS)

The study plans below are for guidance only. Always review your individual check sheet for your degree requirements. For full course descriptions, see the [RMU Course Catalog](#)

For more information, contact:

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3-Semester Guided Curriculum (Fall start)

Semester 1 - FALL		
9 credits		# Credits
CYMS 6100	Foundations of Cybersecurity	3
CYMS 6200	Operating Systems Security	3
CYMS 6400	Software and Application Security	3
Semester 2 - SPRING		
12 credits		# Credits
CYMS 6110	Fundamentals of Cyber Forensics	3
CYMS 6210	Defending and Securing Networks	3
CYMS 6300	Applied Cryptography	3
CYMS 6500	Cybersecurity Risk Analysis & Management	3
Semester 3 - FALL		
9 credits		# Credits
CYMS 6510	Cybersecurity Strategy and Governance	3
Choose 1 from: CYMS 6600; or INFS 7903	Special Topics in Cybersecurity; or Internship (must be approved in prior semester)	3
CYMS 7700	Cybersecurity Capstone	3
INFS 7000	Program Outcomes Assessment	0

3-Semester Guided Curriculum (Spring start)

Semester 1 - SPRING		
12 credits		# Credits
CYMS 6110	Fundamentals of Cyber Forensics	3
CYMS 6210	Defending and Securing Networks	3
CYMS 6300	Applied Cryptography	3
CYMS 6500	Cybersecurity Risk Analysis & Management	3
Semester 2 - FALL		
12 credits		# Credits
CYMS 6100	Foundations of Cybersecurity	3
CYMS 6200	Operating Systems Security	3
CYMS 6400	Software and Application Security	3
CYMS 6510	Cybersecurity Strategy and Governance	3
Semester 3 - SPRING		
6 credits		# Credits
Choose 1 from: CYMS 6600; or INFS 7903	Special Topics in Cybersecurity; or Internship (must be approved in prior semester)	3
CYMS 7700	Cybersecurity Capstone	3
INFS 7000	Program Outcomes Assessment	0

4-Semester Guided Curriculum (Fall start)

Semester 1 - FALL		
6 credits		# Credits
CYMS 6100	Foundations of Cybersecurity	3
CYMS 6200	Operating Systems Security	3
Semester 2 - SPRING		
9 credits		# Credits
CYMS 6110	Fundamentals of Cyber Forensics	3
CYMS 6210	Defending and Securing Networks	3
CYMS 6300	Applied Cryptography	3
Semester 3 - FALL		
6 credits		# Credits
CYMS 6400	Software and Application Security	3
CYMS 6510	Cybersecurity Strategy and Governance	3
Semester 4 - SPRING		
9 credits		# Credits
CYMS 6500	Cybersecurity Risk Analysis & Management	3
Choose 1 from: CYMS 6600; or INFS 7903	Special Topics in Cybersecurity; or Internship	3
CYMS 7700	Cybersecurity Capstone	3
INFS 7000	Program Outcomes Assessment	0

4-Semester Guided Curriculum (Spring start)

Semester 1 - SPRING		
6 credits		# Credits
CYMS 6110	Fundamentals of Cyber Forensics	3
CYMS 6210	Defending and Securing Networks	3
Semester 2 - FALL		
9 credits		# Credits
CYMS 6100	Foundations of Cybersecurity	3
CYMS 6200	Operating Systems Security	3
CYMS 6400	Software and Application Security	3
Semester 3 - SPRING		
6 credits		# Credits
CYMS 6300	Applied Cryptography	3
CYMS 6500	Cybersecurity Risk Analysis & Management	3
Semester 4 - FALL		
9 credits		# Credits
CYMS 6510	Cybersecurity Strategy and Governance	3
Choose 1 from: CYMS 6600; or INFS 7903	Special Topics in Cybersecurity; or Internship	3
CYMS 7700	Cybersecurity Capstone	3
INFS 7000	Program Outcomes Assessment	0