



SCHOOL OF DATA INTELLIGENCE AND TECHNOLOGY
Department of Computer and Information Systems
Department of Mathematics

MASTER OF SCIENCE IN DATA SCIENCE (30 CREDITS)

3-Semester Guided Curriculum (Fall start)

Semester 1 - FALL		
9 credits		# Credits
STAT 5100	Fundamentals of Data Science (15 weeks)	3
STAT 5110	Data Visualization (2 nd 8 weeks)	3
INFS 6244	Database for Data Science (1 st 8 weeks)	3
Semester 2 - SPRING		
12 credits		# Credits
INFS 6241	Big Data Technologies (1 st 8 weeks) (requires INFS 6244)	3
STAT 6050	Statistics for Data Science (15 weeks) (requires STAT 5100)	3
STAT 6486	Data Modeling and Simulation (15 weeks) (STAT6050 coreq or prereq)	3
INFS 7140	Python for Data Analysis (2 nd 8 weeks)	3
Semester 3 - FALL		
9 credits		# Credits
INFS 6720	Machine Learning (1 st 8 weeks)	3
INFS 6820	Advanced Machine Learning (2 nd 8 weeks) (requires INFS 7140)	3
INFS/STAT 7100	Data Science Capstone (15 weeks)	3

3-Semester Guided Curriculum (Spring start)

Semester 1 - SPRING		
6 credits		# Credits
INFS 7140	Python for Data Analysis (2 nd 8 weeks)	3
INFS 6720	Machine Learning (1 st 8 weeks)	3
Semester 2 - FALL		
12 credits		# Credits
STAT 5100	Fundamentals of Data Science (15 weeks)	3
STAT 5110	Data Visualization (2 nd 8 weeks)	3
INFS 6244	Database for Data Science (1 st 8 weeks)	3
INFS 6820	Advanced Machine Learning (2 nd 8 weeks) (requires INFS 7140)	3
Semester 3 - SPRING		
12 credits		# Credits
STAT 6050	Statistics for Data Science (15 weeks) (requires STAT 5100)	3
INFS 6241	Big Data Technologies (1 st 8 weeks) (requires INFS 6240 or INFS 6244)	3
STAT 6486	Data Modeling and Simulation (15 weeks) (STAT6050 coreq or prereq)	3
INFS/STAT 7100	Data Science Capstone (15 weeks)	3

4-Semester Guided Curriculum (Fall start)

Semester 1 - FALL		
6 credits		# Credits
STAT 5100	Fundamentals of Data Science (15 weeks)	3
STAT 5110	Data Visualization (2 nd 8 weeks)	3
Semester 2 - SPRING		
9 credits		# Credits
STAT 6050	Statistics for Data Science (15 weeks) (requires STAT 5100)	3
STAT 6486	Data Modeling and Simulation (15 weeks) (STAT6050 coreq or prereq)	3
INFS 7140	Python for Data Analysis (2 nd 8 weeks)	3
Semester 3 - FALL		
9 credits		# Credits
INFS 6244	Database for Data Science (1 st 8 weeks)	3
INFS 6720	Machine Learning (1 st 8 weeks)	3
INFS 6820	Advanced Machine Learning (2 nd 8 weeks) (requires INFS 7140)	3
Semester 4 - SPRING		
6 credits		# Credits
INFS 6241	Big Data Technologies (1 st 8 weeks) (requires INFS 6240 or INFS 6244)	3
INFS/STAT 7100	Data Science Capstone (15 weeks)	3

4-Semester Guided Curriculum (Spring start)

Semester 1 - SPRING		
6 credits		# Credits
INFS 6720	Machine Learning (1 st 8 weeks)	3
INFS 7140	Python for Data Analysis (2 nd 8 weeks)	3
Semester 2 - FALL		
9 credits		# Credits
STAT 5100	Fundamentals of Data Science (15 weeks)	3
STAT 5110	Data Visualization (2 nd 8 weeks)	3
INFS 6244	Database for Data Science (1 st 8 weeks)	3
Semester 3 - SPRING		
9 credits		# Credits
STAT 6050	Statistics for Data Science (15 weeks) (requires STAT 5100)	3
INFS 6241	Big Data Technologies (1 st 8 weeks) (requires INFS 6240 or INFS 6244)	3
STAT 6486	Data Modeling and Simulation (15 weeks) (STAT6050 coreq or prereq)	3
Semester 4 - FALL		
6 credits		# Credits
INFS 6820	Advanced Machine Learning (2 nd 8 weeks) (requires INFS 7140)	3
INFS/STAT 7100	Data Science Capstone (15 weeks)	3

5-Semester Guided Curriculum (Fall start)

Semester 1 - FALL		
6 credits		# Credits
STAT 5100	Fundamentals of Data Science (15 weeks)	3
STAT 5110	Data Visualization (2 nd 8 weeks)	3
Semester 2 - SPRING		
6 credits		# Credits
STAT 6050	Statistics for Data Science (15 weeks) (requires STAT 5100)	3
INFS 7140	Python for Data Analysis (2 nd 8 weeks)	3
Semester 3 - FALL		
6 credits		# Credits
INFS 6720	Machine Learning (1 st 8 weeks)	3
INFS 6820	Advanced Machine Learning (2 nd 8 weeks) (requires INFS 7140)	3
Semester 4 - SPRING		
6 credits		# Credits
INFS 6244	Database for Data Science (1 st 8 weeks)	3
STAT 6486	Data Modeling and Simulation (15 weeks) (STAT6050 coreq or prereq)	3
Semester 5 - FALL		
6 credits		# Credits
INFS 6241	Big Data Technologies (1 st 8 weeks) (requires INFS 6420 or INFS 6244)	3
INFS/STAT 7100	Data Science Capstone (15 weeks)	3

5-Semester Guided Curriculum (Spring start)

Semester 1 - SPRING		
6 credits		# Credits
INFS 6720	Machine Learning (1 st 8 weeks)	3
INFS 7140	Python for Data Analysis (2 nd 8 weeks)	3
Semester 2 - FALL		
9 credits		# Credits
STAT 5100	Fundamentals of Data Science (15 weeks)	3
STAT 5110	Data Visualization (2 nd 8 weeks)	3
Semester 3 - SPRING		
9 credits		# Credits
STAT 6050	Statistics for Data Science (15 weeks) (requires STAT 5100)	3
STAT 6486	Data Modeling and Simulation (15 weeks) (STAT6050 coreq or prereq)	3
Semester 4 - FALL		
6 credits		# Credits
INFS 6820	Advanced Machine Learning (2 nd 8 weeks) (requires INFS 7140)	3
INFS 6244	Database for Data Science (1 st 8 weeks)	3
Semester 5 - SPRING		
6 credits		# Credits
INFS 6241	Big Data Technologies (1 st 8 weeks) (requires INFS 6244)	3
INFS/STAT 7100	Data Science Capstone (15 weeks)	3

The study plan above is 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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