



School of Informatics, Humanities, and Social Sciences
 Department of Computer and Information Systems

MASTER OF SCIENCE IN DATA ANALYTICS (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
INFS 6510	Introduction to Data Analytics	3
INFS 6240	Database Management Systems	3
Choose 1 elective from: INFS 6040; or INFS 6115; or INFS 6140; or INFS 6151; or INFS 6226; or ENGR/INFS 6460; or INFS/CYMS 6000-7000	Management Information Systems; or Mobile App Development with iOS; or Introduction to Python; or Java Programming; or Information Design; or Cloud Computing with AWS; or Other INFS/CYMS 6000-7000 level elective	3
Semester 2 - SPRING		
12 credits		# Credits
INFS 6010	Decision Support Systems	3
INFS 6720	Data Mining	3
CYMS 6210	Defending and Securing Networks	3
INFS 6241	Big Data Technologies	3
Semester 3 - FALL		
9 credits		# Credits
INFS 6730	Data Integration for Analytics	3
Choose 2 electives from: INFS 6040; or INFS 6115; or INFS 6140; or INFS 6151; or INFS 6226; or ENGR/INFS 6460; or INFS/CYMS 6000-7000	Management Information Systems; or Mobile App Development with iOS; or Introduction to Python; or Java Programming; or Information Design; or Cloud Computing with AWS; or Other INFS/CYMS 6000-7000 level elective	6
INFS 7000	Program Outcomes Assessment	0

3-Semester Guided Curriculum (Spring start)

Semester 1 - SPRING		
9 credits		# Credits
INFS 6010	Decision Support Systems	3
INFS 6720	Data Mining	3
CYMS 6210	Defending and Securing Networks	3
Semester 2 - FALL		
12 credits		# Credits
INFS 6510	Introduction to Data Analytics	3
INFS 6240	Database Management Systems	3
INFS 6730	Data Integration for Analytics	3
Choose 1 elective from: INFS 6040; or INFS 6115; or INFS 6140; or INFS 6151; or INFS 6226; or ENGR/INFS 6460; or INFS/CYMS 6000-7000	Management Information Systems; or Mobile App Development with iOS; or Introduction to Python; or Java Programming; or Information Design; or Cloud Computing with AWS; or Other INFS/CYMS 6000-7000 level elective	3
Semester 3 - SPRING		
9 credits		# Credits
INFS 6241	Big Data Technologies	3
Choose 2 electives from: INFS/STAT 5110; or INFS 6114; or INFS 6116; or INFS 6153; or INFS 6215; or ENGR/INFS 6460; or INFS 6630; or INFS/CYMS 6000-7000	Data Visualization; or Mobile Computing in the Enterprise; or Mobile App Development with Android; or Mobile Programming: CSS & JavaScript; or Impact of Emerging Technologies; or Cloud Computing with AWS; or Geographic Information Systems; or Other INFS/CYMS 6000-7000 level elective	6
INFS 7000	Program Outcomes Assessment	0

4-Semester Guided Curriculum (Fall start)

Semester 1 - FALL		
6 credits		# Credits
INFS 6510	Introduction to Data Analytics	3
INFS 6240	Database Management Systems	3
Semester 2 - SPRING		
9 credits		# Credits
INFS 6010	Decision Support Systems	3
INFS 6720	Data Mining	3
CYMS 6210	Defending and Securing Networks	3
Semester 3 - FALL		
9 credits		# Credits
INFS 6730	Data Integration for Analytics	3
Choose 2 electives from: INFS 6040; or INFS 6115; or INFS 6140; or INFS 6151; or INFS 6226; or ENGR/INFS 6460; or INFS/CYMS 6000-7000	Management Information Systems; or Mobile App Development with iOS; or Introduction to Python; or Java Programming; or Information Design; or Cloud Computing with AWS; or Other INFS/CYMS 6000-7000 level elective	6
Semester 4 - SPRING		
6 credits		# Credits
INFS 6241	Big Data Technologies	3
Choose 1 elective from: INFS/STAT 5110; or INFS 6114; or INFS 6116; or INFS 6153; or INFS 6215; or ENGR/INFS 6460; or INFS 6630; or INFS 5000-7000	Data Visualization; or Mobile Computing in the Enterprise; or Mobile App Development with Android; or Mobile Programming: CSS & JavaScript; or Impact of Emerging Technologies; or Cloud Computing with AWS; or Geographic Information Systems; or Other INFS 5000-7000 level elective	3
INFS 7000	Program Outcomes Assessment	0

4-Semester Guided Curriculum (Spring start)

Semester 1 - SPRING		
9 credits		# Credits
INFS 6010	Decision Support Systems	3
INFS 6720	Data Mining	3
CYMS 6210	Defending and Securing Networks	3
Semester 2 - FALL		
6 credits		# Credits
INFS 6510	Introduction to Data Analytics	3
INFS 6240	Database Management Systems	3
Semester 3 - SPRING		
9 credits		# Credits
INFS 6241	Big Data Technologies	3
Choose 2 electives from: INFS/STAT 5110; or INFS 6114; or INFS 6116; or INFS 6153; or INFS 6215; or ENGR/INFS 6460; or INFS 6630; or INFS/CYMS 6000-7000	Data Visualization; or Mobile Computing in the Enterprise; or Mobile App Development with Android; or Mobile Programming: CSS & JavaScript; or Impact of Emerging Technologies; or Cloud Computing with AWS; or Geographic Information Systems; or Other INFS/CYMS 6000-7000 level elective	6
Semester 4 - FALL		
6 credits		# Credits
INFS 6730	Data Integration for Analytics	3
Choose 1 elective from: INFS 6040; or INFS 6115; or INFS 6140; or INFS 6151; or INFS 6226; or ENGR/INFS 6460; or INFS/CYMS 6000-7000	Management Information Systems; or Mobile App Development with iOS; or Introduction to Python; or Java Programming; or Information Design; or Cloud Computing with AWS; or Other INFS/CYMS 6000-7000 level elective	3
INFS 7000	Program Outcomes Assessment	0