



Department of Computer and Information Systems  
 Department of Psychology and Health Sciences

## MASTER OF SCIENCE IN HEALTHCARE ANALYTICS (32 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:

**Dr. Natalya Bromall**  
 Director, CIS Graduate Programs  
 Computer and Information Systems Department  
 412-397-6435 | bromall@rmu.edu

**Dr. Holly Hampe**  
 Director, Health Services Administration Program  
 Psychology and Health Sciences Department  
 412-397-5483 | hampe@rmu.edu

### 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
HSAM 6060	Healthcare Policy, Law/Politics	3
Semester 2 - SPRING		
12 credits		# Credits
INFS 6010	Decision Support Systems	3
INFS 6720	Data Mining	3
INFS 6440	Advanced Healthcare Information Systems	3
HSAM 6330	Managing Healthcare Information Systems	3
Semester 3 - FALL		
11 credits		# Credits
INFS 6730	Data Integration for Analytics	3
INFS 7479	Project Management	3
<b>Choose 1 elective:</b> INFS/CYMS 6000-7000	Any INFS/CYMS 6000-7000 level elective	3
HSAM 6020	Executive Leadership in Healthcare	2
INFS 7000	Program Outcomes Assessment	0

### 3-Semester Guided Curriculum (Spring start)

Semester 1 - SPRING		
12 credits		# Credits
INFS 6010	Decision Support Systems	3
INFS 6720	Data Mining	3
INFS 6440	Advanced Healthcare Information Systems	3
HSAM 6330	Managing Healthcare Information Systems	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	
HSAM 6060	Healthcare Policy, Law/Politics	3
Semester 3 - SPRING		
8 credits		# Credits
INFS 7479	Project Management	3
<b>Choose 1 elective:</b> INFS/CYMS 6000-7000	Any INFS/CYMS 6000-7000 level elective	3
HSAM 6020	Executive Leadership in Healthcare	2
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
HSAM 6330	Managing Healthcare Information Systems	3
Semester 3 - FALL		
9 credits		# Credits
INFS 6730	Data Integration for Analytics	3
HSAM 6060	Healthcare Policy, Law/Politics	3
<b>Choose 1 elective:</b> INFS/CYMS 6000-7000	Any INFS/CYMS 6000-7000 level elective	3
Semester 4 - SPRING		
8 credits		# Credits
INFS 6440	Advanced Healthcare Information Systems	3
INFS 7479	Project Management	3
HSAM 6020	Executive Leadership in Healthcare	2
INFS 7000	Program Outcomes Assessment	0

## 4-Semester Guided Curriculum (Spring start)

Semester 1 - SPRING		
6 credits		# Credits
INFS 6010	Decision Support Systems	3
INFS 6720	Data Mining	3
Semester 2 - FALL		
9 credits		# Credits
INFS 6510	Introduction to Data Analytics	3
INFS 6240	Database Management Systems	3
HSAM 6060	Healthcare Policy, Law/Politics	3
Semester 3 - SPRING		
9 credits		# Credits
INFS 6440	Advanced Healthcare Information Systems	3
INFS 7479	Project Management	3
HSAM 6330	Managing Healthcare Information Systems	3
Semester 4 - FALL		
8 credits		# Credits
INFS 6730	Data Integration for Analytics	3
<b>Choose 1 elective:</b> INFS/CYMS 6000-7000	Any INFS/CYMS 6000-7000 level elective	3
HSAM 6020	Executive Leadership in Healthcare	2
INFS 7000	Program Outcomes Assessment	0

For electives, any INFS/CYMS 6000-level or 7000-level course can be applied. However, some suggestions include:

- INFS/STAT 5110 Data Visualization
- INFS 6040 Management Information Systems
- INFS 6140 Python Programming
- INFS 6215 Impact of Emerging Technologies
- ENGR/INFS 6460 Cloud Computing with AWS
- INFS 6630 Geographic Information Systems