



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

The 4-year plan below is for guidance only. Always review your individual check sheet for your degree requirements and progress.  
For full course descriptions, see the [RMU Course Catalog](#).

For more information, contact: Jamie Pinchot, D.Sc., Department Head & Professor, Computer and Information Systems, at  
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<b>BACHELOR OF SCIENCE (B.S.) IN DATA ANALYTICS</b>									
<b>4-Year Guided Curriculum</b>									
<b>FALL Semester 1</b>				<b>YEAR 1</b>	<b>SPRING</b>		<b>Semester 2</b>		
INFS	1020	Fundamentals of Information Technology	3		CSEN	1020	Argument & Research	3	
CSEN CSCM	1010; or 2050	Reading & Writing Strategies; or Intercultural Communications	3		STAT	2110	Statistics	3	
ECON	1010	Survey of Economics	3		INFS	2150	Intro to Web Development	3	
PSYC	1010	General Psychology	3		INFS	3510	Intro to Data Analytics	3	
HUMA	1010	Humanities: Art & Music	3		ACCT	2030	Intro to Financial Accounting	3	
FYSP	1000	First Year Studies Seminar	1						
<b>FALL Semester 3</b>				<b>YEAR 2</b>	<b>SPRING</b>		<b>Semester 4</b>		
CSCM	1030	Public Speaking & Persuasion	3		CSCM	2040	Professional Communication in Workplace	3	
MATH	2040	Finite Math and Calculus	3		ENGL	_____	Literature Elect.	3	
HIST; or POL	____; or 1020	History Elective; or Political Science Elective: American National Government	3		INFS	3220	Systems Analysis and Design	3	
INFS	2020	Operating Systems	3		INFS	3230	Introduction to Networking	3	
ACCT	2060	Managerial Accounting	3		MGMT; or BLAW	2000; or 1050	Management Theory & Practice; or Legal Environ of Business 1	3	
<b>FALL Semester 5</b>				<b>YEAR 3</b>	<b>SPRING</b>		<b>Semester 6</b>		
SOCI; or SOCI	1010; or 1020	Principles of Sociology; or Contemp Amer Social Prob	3		INFS	4370	IT Governance & Ethics	3	
MARK; or BLAW	2000; or 1050	Principles of Marketing; or Legal Environ of Business I	3		INFS	4240	Database Mgmt System	3	
		Natural Science Elect	3		INFS	2470	Decision Support Systems	3	
INFS	3450	Discrete Mathematics for Computing	3		CYBS	3170	Cyberlaw	3	
INFS	4220	Data Mining Applications	3		INFS	3235	Network Security	3	
<b>FALL Semester 7</b>				<b>YEAR 4</b>	<b>SPRING</b>		<b>Semester 8</b>		
FINA	3000	Principles of Finance	3		INFS	4810	Project Management	3	
INFS	4260	Data Integration for Analytics	3		INFS	3710	Knowledge Management	3	
_____		Open Elective 1	3		_____	_____	Open Elective 4	3	
_____		Open Elective 2	3		_____	_____	Open Elective 5	3	
_____		Open Elective 3	3		INFS	4630	Intro to Geographic Info Systems	3	
					INFS	4860	Program Outcomes Assessment	0	

Minimum grade of "C" is required for courses in major. A cumulative GPA of 2.00 or higher is required for graduation. Revised 09/09/22