

Department of Mathematics and Information Technology

INFORMATION TECHNOLOGY DEGREE REQUIREMENTS - 2015-16

MAJOR REQUIREMENTS

1	MIS 126	Programming I	4 credits
2	MIS 140	Computer Operations	3 credits
3	MIS 180	Linux/Operating Systems	3 credits
4	MIS 226	Programming II	3 credits
5	MIS 260	Networks	3 credits
6	MIS 280	Intro Internet Programming	4 credits
7	MIS 350	Database Management	3 credits
8	MIS 370	Client-side Programming	4 credits
9	Elective		
10	Elective (pick 2 electives from list below)		
	MIS 120	Intro to Programming with 3-D Animation	3 credits
	MIS 190	Algorithms	3 credits
	MIS 224	Mobile Application Development	3 credits
	MIS 305	Game Programming	3 credits
	MIS 380	Server-side Programming	4 credits
	Data Scholars may choose from:		
	MIS 155	Bioinformatics Programming	3 credits
	MIS 156	Bioinformatics Tools	3 credits
	MIS 462	Data Visualization with JavaScript	3 credits

MINOR REQUIREMENTS

1	MIS 126	Programming I	4 credits
2	MIS 260	Networks	3 credits
3	MIS 350	Database Management	3 credits
4	Elective		
5	Elective (pick 2 electives from list below)		
	MIS 140	Computer Operations	3 credits
	MIS 180	Linux/Operating Systems	3 credits
	MIS 190	Algorithms	3 credits
	MIS 224	Mobile Application Development	3 credits
	MIS 226	Programming II	3 credits
	MIS 280	Intro Internet Programming	4 credits
	MIS 305	Game Programming	3 credits
	MIS 370	Client-side Programming	4 credits
	MIS 380	Server-side Programming	4 credits



For More Information

Please contact Dr. Roger Griffiths at rgriffiths@mercyhurst.edu with any questions. Be sure to visit our department website available at: <http://math.mercyhurst.edu/>

Department of Mathematics and Information Technology

INFORMATION TECHNOLOGY DEGREE STUDENTS BEGINNING FALL 2015

COURSE SCHEDULE:

Course	Fall 2015	Spr 2016	Fall 2016	Spr 2017	Fall 2017	Spr 2018	Fall 2018	Spr 2019
Programming I	X	X	X	X	X	X	X	X
Computer Operations	X		X		X		X	
Linux/Operating Systems		X		X		X		X
Programming II		X		X		X		X
Algorithms			X		X		X	
Networks		X		X		X		X
Intro Internet Programming	X		X		X		X	
Database Management	X		X		X		X	
Client-side Programming				X		X		X
Introduction to Data Science	X	X	X	X	X	X	X	X
Mobile App Development	X				X			
Game Programming				X				X
Technical Writing with \LaTeX				X				X
Server-side Programming						X		
Bioinformatics Programming	X		X		X		X	
Bioinformatics Tools		X		X		X		X
Data Visualization		X		X		X		X