

# Department of Mathematics and Information Technology

## INFORMATION TECHNOLOGY Degree Requirements - 2016-17

### MAJOR REQUIREMENTS

1	MATH 146	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 190	Algorithms	3 credits
6	MIS 260	Networks	3 credits
7	MIS 280	Intro Internet Programming	4 credits
8	MIS 350	Database Management	3 credits
9	MIS 370	Client-side Programming	4 credits
10	Elective		
11	Elective		
12	Elective (pick 3 electives from list below)		
	MIS 150	Introduction to Data Science	3 credits
	MIS 224	Mobile Application Development	3 credits
	MIS 305	Game Programming	3 credits
	MIS 380	Server-side Programming	4 credits
	MATH 201	Technical Writing with $\LaTeX$	3 credits
	RIAP 325	Cyber Threat Analysis	3 credits
	Data Scholars may choose from:		
	MIS 155	Bioinformatics Programming	3 credits
	MIS 462	Data Visualization with JavaScript	3 credits

### MINOR REQUIREMENTS

1	MATH 146	Programming I	4 credits
2	MIS 260	Networks	3 credits
3	MIS 350	Database Management	3 credits
4	Elective		
5	Elective		
6	Elective (pick 3 electives from list below)		
	MIS 140	Computer Operations	3 credits
	MIS 150	Introduction to Data Science	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. Don Platte at [dp1at1te@mercyhurst.edu](mailto:dp1at1te@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 2016*

## COURSE SCHEDULE:

Course	Fall 2016	Spr 2017	Fall 2017	Spr 2018	Fall 2018	Spr 2019	Fall 2019	Spr 2020
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		X		X
Algorithms	X		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		X
Introduction to Data Science	X	X	X	X	X	X	X	X
Mobile App Development			X				X	
Game Programming						X		
Technical Writing with $\LaTeX$		X				X		
Server-side Programming				X				X
Bioinformatics Programming	X		X		X		X	