

**The College at Brockport, State University of New York  
Department of Computing Sciences**

**Computer Information Systems Major**

**Meets Current General Education and IS Environment Requirements – Page 1 of 2**

Year Semester	Course (Dept., Number, Title)	Category (credit hours)					
		Information Systems Fundamental	Information Systems Advanced	Quantitative Analysis	IS Environment	General Education	Other
Fall Freshman Year (15 credits)	GEP 100 Academic Planning Seminar					1	
	ENL 112 College Composition					3	
	Humanities 1 (H)					3	
	Fine Arts 1 (F)					3	
	MTH 122 Pre-calculus (M)					4	
	CIS 116 Intro. to Excel						1
Spring Freshman Year (16 credits)	ECN 100 (S)					3	
	Foreign Language (FL)					3	
	N Science 1 (N)					3	
	Free Elective						3
	CSC 120 Introduction to Computing						4
Fall Sophomore Year (16 credits)	N Science 2 (L)					4	
	MTH 281 Discrete Mathematics I			4			
	CIS 202 Fundamentals of Information Systems	3					
	CIS 206 IT Tools	1					
	CSC 203 Problem Solving with Objects	4					
Spring Sophomore Year (14 credits)	IS Environment 1 (recommended ACC 280)				3		
	MTH 243 Elementary Statistics			3			
	CIS 303 Information Technology HW & SW	3					
	CSC 205 Fundamental Data Structures	2	2				
	CSC 209 UNIX Tools	1					
<b>SUBTOTALS</b>		14	2	7	3	27	8

Students may receive transfer and AP exam credits that meet some of the requirements. Students may also receive waivers from some prerequisites. Waivers do not imply allocation of credits.

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Year Semester	Course (Dept., Number, Title)	Category (credit hours)					
		Information Systems Fundamental	Information Systems Advanced	Quantitative Analysis	IS Environment	General Education	Other
Fall Junior Year (14 credits)	Humanities 2 (H)					3	
	IS Environment 2				3		
	IS Environment 3				3		
	CIS 117 Introduction to Web Development	1					
Spring Junior Year (15 credits)	CIS 317 Analysis & Logical Design of IS	1	3				
	Fine Arts 2 (P)					3	
	IS Environment 4				3		
	CSC 356 Life in the Digital Age (IWY)					3	
	CIS 422 Physical Design & Implementation with DBMS	1	2				
Fall Senior Year (16 credits)	CIS 427 Project Management and Practice		3				
	Social Science 2 (S and (D or O))					3	
	CIS 419 Networks and Internet Applications		3				
	CIS 309 IT HW & Networking Lab	1					
	CIS 442 Electronic Commerce Systems		3				
	CIS Elective 1		3				
Spring Senior Year (14 credits)	CSC 312 Cybersecurity		3				
	CIS 472 Enterprise Arch and IS Strategy				3		
	CSC 486 Junior/Senior Seminar (Y)	3					
	Free Elective						2
	CIS Elective 2		3				
	Free Elective						3
<b>SUBTOTALS</b>		7	23	0	12	12	5
<b>TOTALS</b>		21	25	7	15	39	13

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**Study Plan for Transfer Student – Page 1 of 2**

Year Semester	Course (Dept., Number, Title)	Category (credit hours)					
		Information Systems Fundamental	Information Systems Advanced	Quantitative Analysis	IS Environment	General Education	Other
	CSC 120 Introduction to Computing						4
	CSC 203 Problem Solving with Objects	4					
	CSC 205 Fundamental Data Structures	4					
	CIS 116 Intro. to Excel						1
	Pre-calculus					4	
	Discrete Mathematics			4			
	Accounting (IS environment 1)				3		
	General Education					26	
	Other						10
	<b>SUBTOTALS</b>	<b>8</b>	<b>0</b>	<b>4</b>	<b>3</b>	<b>30</b>	<b>15</b>

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**Study Plan for Transfer Student – Page 2 of 2**

Year Semester	Course (Dept., Number, Title)	Category (credit hours)					
		Information Systems Fundamental	Information Systems Advanced	Quantitative Analysis	IS Environment	General Education	Other
Fall Junior Year (15 credits)	IS Environment 2				3		
	Free elective						4
	CSC 356 Life in the Digital Age (IWY)					3	
	CIS 117 Intro to Web Development	1					
	CIS 202 Fundamentals of Information Systems	3					
	CIS 206 IT Tools	1					
Spring Junior Year (16 credits)	IS Environment 3				3		
	IS Environment 4				3		
	MTH 243 Statistics			3			
	CSC 209 UNIX Tools	1					
	CIS 303 Information Technology HW & SW	3					
	CIS 422 Physical Design & Implementation with DBMS	1	2				
Senior Year (14 credits)	CIS 317 Analysis & Logical Design of IS	1	3				
	CIS 419 Networks and Internet Applications		3				
	CIS 309 IT HW & Net. Lab	1					
	CIS 442 Electronic Commerce Systems		3				
	CIS Elective 1		3				
Spring Senior Year (15 credits)	CIS 472 Enterprise Arch and IS Strategy				3		
	CSC 486 Junior/Senior Seminar (Y)	3					
	CSC 312 Cybersecurity		3				
	CIS 427 Project Management and Practice		3				
	CIS Elective 2		3				
<b>SUBTOTALS</b>		15	23	3	12	3	4
<b>TOTALS</b>		23	23	7	15	33	19