

Computer Information Systems Program

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ISLOs, PSLOs, CSLOs, Mapping, and Assessment Plan

		Year 4		Year 5		Year 6		
		F 2016	S 2017	F 2017	S 2018	F 2018	S 2019	
INSTITUTIONAL STUDENT LEARNING OUTCOMES - ISLOs								
ISLO 1	COMMUNICATION							
1A	Read							
1B	Listen							
1C	Write							
1D	Dialogue							
ISLO 2	TECHNOLOGY AND INFORMATION COMPETENCY							
2A	Demonstrate Technical Literacy							
2B	Apply Technology							
2C	Access Information							
2D	Evaluate and Examine Information							
ISLO 3	CRITICAL AND CREATIVE THINKING							
3A	Inquire							
3B	Analyze							
3C	Problem Solve							
3D	Express							
ISLO 4	CITIZENSHIP							
4A	Ethics							
4B	Diversity							
4C	Sustainability/Global Awareness							
4D	Personal Responsibility							
CIS PROGRAM OUTCOMES - PSLOs		Related ISLOs						
	Program Outcomes for CIS Department		F16	S17	F17	S18	F18	S19
A	Research, analyze and evaluate information to solve business problems using appropriate computer technology.	1A, 2B, 2C, 2D, 3A, 3B, 3C						
B	Design and produce computer technology solutions incorporating current trends, security, and best practices.	1A, 1B, 1C, 1D, 2B, 2C, 2D, 3A, 3B, 3C, 3D, 4A, 4C, 4D						

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C	Effectively employ computer technology concepts and terminology in professional communication.	1A, 1B, 1C, 1D, 2A, 3A, 3D, 4D							
D	Demonstrate marketable computer technology career skills	2A, 2B, 2C, 2D							
I Computer Information Systems - Administrative Technical Support Concentration: A.A. or A.S. Degree and/or Certificate of Achievement Outcomes. Same as PLSOs									
II Computer Information Systems - Computer Applications Concentration: A.A. or A.S. Degree and/or Certificate of Achievement Outcomes. Same as PLSOs									
III Computer Information Systems - Networking Concentration: A.A. or A.S. Degree and/or Certificate of Achievement Outcomes. Same as PLSOs									
IV Virtual Office Professional - Administrative Concentration: A.A. or A.S. Degree and/or Certificate of Achievement Outcomes. Same as PLSOs									
V Digital Literacy Skills Certificate Outcomes. Same as PLSOs									
VI Information Assurance Technician (level 1) Skills Certificate Outcomes. Same as PLSOs									
V Information Assurance Technician (level 2) Skills Certificate Skills Outcomes. Same as PLSOs									
CIS COURSES AND COURSE OUTCOMES - CSLOs		Related PSLOs							
			When to Assess, By whom?						
	CIS 26 Computer and Communication Technology Essentials (A+)		F16	S17	F17	S18	F18	S19	Typical assignments that would assess these outcomes
CSLO 1	Research, analyze and evaluate information to solve business problems using appropriate computer hardware technology.	A			Darla				Research hardware and software needed to edit natively in 4K resolution
CSLO 2	Design and produce computer hardware technology solutions incorporating current trends, security, and best practices.	B			Darla				Simulate a peer-to-peer in PacketTracer
CSLO 3	Effectively employ computer hardware technology concepts and terminology in professional communication.	C			Darla				Use Professional evaluation and reporting tools to document all PC parts
CLSO 4	Demonstrate marketable computer hardware technology career skills	D			Darla				Teacher disables PC in several ways - student fixes it

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		When to Assess, By whom?						
CIS 30 Computer Literacy for College Success								Typical assignments that would assess these outcomes
CSLO 1	Research, analyze and evaluate information to solve basic academic, personal and workplace problems using computer applications.	A			Charity			Grade Caculation spreadhseet or Integration Project
CSLO 2	Design and produce basic computer application solutions incorporating current trends, security, and best practices.	B			Charity			Pie Invoice Excel Project
CSLO 3	Effectively employ basic computer application concepts and terminology in professional communication.	C			Charity			
CSLO 4	Demonstrate basic marketable computer application career skills.	D			Charity			
		When to Assess, By whom?						
CIS 30L Computer Literacy for College Success Supplemental LABORATORY								Typical assignments that would assess these outcomes
CSLO 1	Research, analyze and evaluate information to solve basic academic, personal and workplace problems using computer applications.	A			Charity			
CSLO 2	Design and produce basic computer application solutions incorporating current trends, security, and best practices.	B			Charity			
CSLO 3	Effectively employ basic computer application concepts and terminology in professional communication.	C			Charity			
CSLO 4	Demonstrate basic marketable computer application career skills.	D			Charity			
		When to Assess, By whom?						
CIS 50 APPLYING COMPUTER SOFTWARE								Typical assignments that would assess these outcomes
CSLO 1	Research, analyze and evaluate information to solve business problems using office computer application programs.	A			Melissa			PowerPoint CAP, Event Database CAP
CSLO 2	Design and produce office computer application program solutions incorporating current trends, security, and best practices.	B			Melissa			File Management CAP

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CSLO 3	Effectively employ office computer application programs concepts and terminology in professional communication.	C	Melissa					Business Letter CAP
CSLO 4	Demonstrate marketable office computer application program career skills.	D	Melissa					Integration/Mailmerge CAP
		When to Assess, By whom?						
CIS 50L APPLYING COMPUTER SOFTWARE Supplemental Lab		F16	S17	F17	S18	F18	S19	Typical assignments that would assess these outcomes
CSLO 1	Research, analyze and evaluate information to solve business problems using office computer application programs.	A	Malena					query a database
CSLO 2	Design and produce office computer application program solutions incorporating current trends, security, and best practices.	B	Malena					create a resume
CSLO 3	Effectively employ office computer application programs concepts and terminology in professional communication.	C	Malena					create a powerpoint presentation
CSLO 4	Demonstrate marketable office computer application program career skills.	D	Malena					perform a mail merge from a database query
		When to Assess, By whom?						
CIS 52 CREATING A VIRTUAL OFFICE		F16	S17	F17	S18	F18	S19	Typical assignments that would assess these outcomes
CSLO 1	Research, analyze and evaluate information to solve business problems using appropriate computer technology for creating a Virtual Office.	A				Cyndi		
CSLO 2	Design and produce solutions incorporating current trends, security, and best practices for creating a Virtual Office.	B				Cyndi		
CSLO 3	Effectively employ computer technology concepts and terminology in professional communication to create a Virtual Office.	C				Cyndi		
CSLO 4	Demonstrate marketable computer technology career skills for creating a Virtual Office.	D				Cyndi		
		When to Assess, By whom?						
CIS 53 MARKETING A VIRTUAL OFFICE		F16	S17	F17	S18	F18	S19	Typical assignments that would assess these outcomes

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		F 2016	S 2017	F 2017	S 2018	F 2018	S 2019	
CSLO 1	Research, analyze and evaluate information to solve Virtual Office Marketing problems using appropriate computer technology.				Cyndi			
CSLO 2	Design and produce Virtual Office Marketing solutions incorporating current trends, security, and best practices.				Cyndi			
CSLO 3	Effectively employ computer technology concepts and terminology in professional Virtual Office Marketing communication.				Cyndi			
CSLO 4	Demonstrate marketable computer technology career skills for Marketing a Virtual Office.				Cyndi			
		When to Assess, By whom?						
CIS 54 MANAGING A VIRTUAL OFFICE		F16	S17	F17	S18	F18	S19	Typical assignments that would assess these outcomes
CSLO 1	Research, analyze and evaluate information to solve Virtual Office Management problems using appropriate computer technology.						Cyndi	
CSLO 2	Design and produce Virtual Office Management solutions incorporating current trends, security, and best practices.						Cyndi	
CSLO 3	Effectively employ computer technology concepts and terminology in professional Virtual Office Management communication.						Cyndi	
CSLO 4	Demonstrate marketable Virtual Office Management career skills.						Cyndi	
		When to Assess						
CIS 62 BUSINESS INFORMATION SYSTEMS		F16	S17	F17	S18	F18	S19	Typical assignments that would assess these outcomes
CSLO 1	Research, analyze and evaluate information to solve business problems using Business Information Systems concepts.					Malena		
CSLO 2	Design and produce Business Information Systems solutions incorporating current trends, security, and best practices.					Malena		
CSLO 3	Effectively employ Business Information Systems concepts and terminology in professional communication.					Malena		

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			F 2016	S 2017	F 2017	S 2018	F 2018	S 2019	
CSLO 4	Demonstrate marketable Business Information Systems career skills.	D					Malena		
			When to Assess, By whom?						
CIS 65 NETWORKING FUNDAMENTALS			F16	S17	F17	S18	F18	S19	Typical assignments that would assess these outcomes
CSLO 1	Research, analyze and evaluate information to solve business problems using appropriate fundamental data networking technology.	A				Darla			Use WireShark to figure out what apps are running
CSLO 2	Design and produce fundamental data networking solutions incorporating current trends, security, and best practices.	B				Darla			Simulate a client-server network in PocketTracer
CSLO 3	Effectively employ fundamental data networking concepts and terminology in professional communication.	C				Darla			Document a client-server network in Viso or similar
CSLO 4	Demonstrate marketable fundamental data networking career skills	D				Darla			Use cables and crimp tools for physical layer connectivity
			When to Assess, By whom?						
CIS 66 CISCO Routing & Switching Essentials			F16	S17	F17	S18	F18	S19	Typical assignments that would assess these outcomes
CSLO 1	Research, analyze and evaluate information to solve business problems using appropriate computer technology.	A				Shawn			
CSLO 2	Design and produce computer technology solutions incorporating current trends, security, and best practices.	B				Shawn			
CSLO 3	Effectively employ computer technology concepts and terminology in professional communication.	C				Shawn			
CSLO 4	Demonstrate marketable computer technology career skills	D				Shawn			
			When to Assess, By whom?						
CIS 67 FOUNDATIONS FOR CREATING WEB PAGES			F16	S17	F17	S18	F18	S19	Typical assignments that would assess these outcomes
CSLO 1	Research, analyze and evaluate information to solve business problems using appropriate web page creation technology.	A			Debbie				
CSLO 2	Design and produce web page solutions incorporating current trends, security, and best practices.	B			Debbie				
CSLO 3	Effectively employ web and Internet concepts and terminology in professional communication.	C			Debbie				
CLSO 4	Demonstrate marketable web page creation career skills.	D			Debbie				

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		When to Assess, By whom?						
CIS 70 WORD PROCESSING-BEYOND BASICS		F16	S17	F17	S18	F18	S19	Typical assignments that would assess these outcomes
CSLO 1	Research, analyze and evaluate information to solve business problems using a word processing application.	A	PJ					
CSLO 2	Design and produce word processing solutions incorporating current trends, security, and best practices.	B	PJ					
CSLO 3	Effectively employ word processing concepts and terminology in professional communication.	C	PJ					
CSLO 4	Demonstrate marketable word processing career skills.	D	PJ					
		When to Assess, By whom?						
CIS 80 SPREADSHEETS IN BUSINESS		F16	S17	F17	S18	F18	S19	Typical assignments that would assess these outcomes
CSLO 1	Research, analyze and evaluate information to solve business problems using a spreadsheet application.	A			PJ			analyse spreadsheet results
CSLO 2	Design and produce spreadsheet solutions incorporating current trends, security, and best practices.	B			PJ			Use what-if analysis tools, data tables, solver, scenarios
CSLO 3	Effectively employ spreadsheet concepts and terminology in professional communication.	C			PJ			create and analyse pivot tables and charts
CSLO 4	Demonstrate marketable spreadsheet career skills.	D			PJ			inlcude professional spreadsheet documentation, formatting and security
		When to Assess, By whom?						
CIS 88 COMPUTER FORENSICS (also ADMJ 88)		F16	S17	F17	S18	F18	S19	Typical assignments that would assess these outcomes
CSLO 1	Research, analyze and evaluate information to solve business problems using appropriate computer forensic technology.	A				Shawn		
CSLO 2	Design and produce data computer forensic solutions incorporating current trends, security, and best practices.	B				Shawn		
CSLO 3	Effectively employ computer forensic concepts and terminology in professional communication.	C				Shawn		
CSLO 4	Demonstrate marketable computer forensic career skills	D				Shawn		
		When to Assess, By whom?						

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CIS 90 DATABASE MANAGEMENT			F16	S17	F17	S18	F18	S19	Typical assignments that would assess these outcomes
CSLO 1	Research, analyze and evaluate information to solve business problems using a database management application.	A					Annette		
CSLO 2	Design and produce database management solutions incorporating current trends, security, and best practices.	B					Annette		
CSLO 3	Effectively employ database management concepts and terminology in professional communication.	C					Annette		
CSLO 4	Demonstrate marketable database management career skills.	D					Annette		
			When to Assess, By whom?						
CIS 100 SOFTWARE FOR DYNAMIC PRESENTATIONS			F16	S17	F17	S18	F18	S19	Typical assignments that would assess these outcomes
CSLO 1	Research, analyze and evaluate information to solve business problems using a presentation application.	A		Annette					
CSLO 2	Design and produce presentation solutions incorporating current trends, security, and best practices.	B		Annette					
CSLO 3	Effectively employ presentation concepts and terminology in professional communication.	C		Annette					
CSLO 4	Demonstrate marketable presentation career skills.	D		Annette					
			When to Assess, By whom?						
CIS 105 MICROSOFT OUTLOOK-MANAGING INFORMATION			F16	S17	F17	S18	F18	S19	Typical assignments that would assess these outcomes
CSLO 1	Research, analyze and evaluate information to solve business problems using Microsoft Outlook.	A							
CSLO 2	Design and produce Microsoft Outlook solutions incorporating current trends, security, and best practices.	B							
CSLO 3	Effectively employ Microsoft Outlook concepts and terminology in professional communication.	C							
CSLO 4	Demonstrate marketable Microsoft Outlook career skills.	D							
			When to Assess, By whom?						
CIS 120 CREATING BUSINESS GRAPHICS WITH MICROSOFT PUBLISHER			F16	S17	F17	S18	F18	S19	Typical assignments that would assess these outcomes

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CSLO 1	Research, analyze and evaluate information to solve business problems using Microsoft Publisher.	A						
CSLO 2	Design and produce Microsoft Publisher solutions incorporating current trends, security, and best practices.	B						
CSLO 3	Effectively employ Microsoft Publisher concepts and terminology in professional communication.	C						
CSLO 4	Demonstrate marketable Microsoft Publisher career skills.	D						
		When to Assess, By whom?						
CIS 136 PROJECT MANAGEMENT SOFTWARE		F16	S17	F17	S18	F18	S19	Typical assignments that would assess these outcomes
CSLO 1	Research, analyze and evaluate information to solve business problems using project management concepts and software.	A	Annette					
CSLO 2	Design and produce project management solutions incorporating current trends, security, and best practices.	B	Annette					
CSLO 3	Effectively employ project management concepts and terminology in professional communication.	C	Annette					
CSLO 4	Demonstrate marketable project management career skills.	D	Annette					
		When to Assess, By whom?						
CIS 141 INSTALLING, CONFIGURING AND ADMINISTERING MICROSOFT CLIENT OS		F16	S17	F17	S18	F18	S19	Typical assignments that would assess these outcomes
CSLO 1	Research, analyze and evaluate information to solve business problems related to Client OS Configuration concepts.	A			Buddy			
CSLO 2	Design and produce Client Administration solutions incorporating current trends, security, and best practices.	B			Buddy			
CSLO 3	Effectively employ OS Administration concepts and terminology in professional communication.	C			Buddy			
CSLO 4	Demonstrate marketable Client Configuration career skills.	D			Buddy			
		When to Assess, By whom?						
CIS 142 Systems/Network Administration		F16	S17	F17	S18	F18	S19	Typical assignments that would assess these outcomes

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CSLO 1	Research, analyze and evaluate information to solve business problems using computer technology concepts and software.	A			Andy					
CSLO 2	Design and produce computer technology solutions incorporating current trends, security, and best practices.	B			Andy				Install and configure Windows Active Directory and test client authentication	
CSLO 3	Effectively employ computer technology concepts and terminology in professional communication.	C			Andy					
CSLO 4	Demonstrate marketable computer technology career skills.	D			Andy					
			When to Assess, By whom?							
CIS 147 Information Systems SECURITY			F16	S17	F17	S18	F18	S19	Typical assignments that would assess these outcomes	
CSLO 1	Research, analyze and evaluate information to solve business problems using appropriate network security technology.	A			Jaime					
CSLO 2	Design and produce data computer network security incorporating current trends, security, and best practices.	B			Jaime					
CSLO 3	Effectively employ network security concepts and terminology in professional communication.	C			Jaime					
CSLO 4	Demonstrate marketable network security career skills	D			Jaime				Harden a server by removing unnecessary services such as FTP	
			When to Assess, By whom?							
CIS 148 VIRTUALIZATION CONCEPTS AND TECHNOLOGIES			F16	S17	F17	S18	F18	S19	Typical assignments that would assess these outcomes	
CSLO 1	Research, analyze and evaluate information to solve business problems using computer virtualization technology concepts and software.	A								
CSLO 2	Design and produce computer virtualization technology solutions incorporating current trends, security, and best practices.	B								
CSLO 3	Effectively employ computer virtualization technology concepts and terminology in professional communication.	C								
CSLO 4	Demonstrate marketable computer virtualization technology career skills.	D							Research and report potential power savings of virtualization	
			When to Assess, By whom?							

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	CIS 149 DATABASE ADMINISTRATION IN A CLIENT/SERVER ENVIRONMENT		F16	S17	F17	S18	F18	S19	Typical assignments that would assess these outcomes	
CSLO 1	Research, analyze and evaluate information to solve business problems using database concepts and software.	A								
CSLO 2	Design and produce database solutions incorporating current trends, security, and best practices.	B								
CSLO 3	Effectively employ database concepts and terminology in professional communication.	C								
CSLO 4	Demonstrate marketable database career skills.	D								
			When to Assess, By whom?							
	CIS 151 Information Storage and Management		F16	S17	F17	S18	F18	S19	Typical assignments that would assess these outcomes	
CSLO 1	Research, analyze and evaluate information to solve business problems using Information Storage and Management concepts and software.	A								
CSLO 2	Design and produce Information Storage and Management solutions incorporating current trends, security, and best practices.	B								
CSLO 3	Effectively employ Information Storage and Management concepts and terminology in professional communication.	C								
CSLO 4	Demonstrate marketable Information Storage and Management career skills.	D								
			When to Assess, By whom?							
	CIS 152 Cybersecurity: Ethical Hacking		F16	S17	F17	S18	F18	S19	Typical assignments that would assess these outcomes	
CSLO 1	Research, analyze and evaluate information to solve business problems using Cybersecurity Ethical Hacking concepts and software.	A					JT			
CSLO 2	Design and produce Cybersecurity Ethical Hacking solutions incorporating current trends, security, and best practices.	B					JT			
CSLO 3	Effectively employ Cybersecurity Ethical Hacking concepts and terminology in professional communication.	C					JT			

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CSLO 4	Demonstrate marketable Cybersecurity Ethical Hacking career skills.	D					JT	