



FORT HAYS STATE UNIVERSITY

DEPARTMENT OF INFORMATICS

Forward thinking. World ready.

Phone: (785) 628-5373

Website: www.fhsu.edu/informatics

Email: informatics@fhsu.edu

Degree Requirements for Bachelors in Information Networking and Telecommunications

INFORMATION SYSTEMS CONCENTRATION						
INF MAJOR CORE (18 hours)	Hr	Sm	Grd	Students will work with their advisor to tailor their remaining 15 hours of electives for their major from the following courses, based upon their professional interests and goals:		
INF 250 Introduction to Web Development	3					
INF 300 Foundations of Informatics	3					
INF 405 Research Methods in Informatics	3			INF 292 Internetworking II (CCNA Prep)	3	
INF 430 Technology Innovation and Entrepreneurial Leadership	3			INF 393 Internetworking III (CCNA Prep)	3	
INF 490 Capstone Seminar in Informatics	3			INF 472 Readings in Informatics (as approved by advisor)	3	
INF 610 Public Policy, Ethics and Law in Information Networking	3			INF 473 Problems in Informatics (as approved by advisor)	3	
				INF 479 Internship in Informatics (encouraged, up to 6 hours)	3	
CONCENTRATION REQUIREMENTS: INFORMATION SYSTEMS (15 hours)	Hr	Sm	Grd	INF 603 Big Data Analytics	3	
				INF 650 Introduction to Human Computer Interaction	3	
INF 360 Programming with Python	3			INF 651 Front-End Web Development I	3	
INF 304 Management Information Systems	3			INF 652 Database Design & Programming	3	
INF 315 Enterprise Resource Planning	3			INF 653 Back-End Web Development I	3	
INF 330 Business Intelligence	3			INF 654 Mobile Web-Development I	3	
INF 678 Topics in Informatics: Data Analytics I	3			INF 658 Law of Cyberspace	3	
				INF 660 Global Telecom	3	
CROSS CONCENTRATION ELECTIVE: (Choose 2: No more than one from each concentration)	Hr	Sm	Grd	INF 662 Modern Telephony	3	
Computer Networking & Telecommunications				INF 664 Wireless and Cellular Systems (CWNA Prep)	3	
INF 291 Internetworking I	3			INF 671 Linux in Networking	3	
Cybersecurity				INF 672 Advanced Linux in Networking	3	
INF 671 Linux in Networking	3			INF 678 Seminar in Informatics/Virtualized Infrastructure	3	
Digital Media Production & Journalism				INF 684 Foundations of Information Systems Security	3	
INF 140 Introduction to Electronic Media	3			INF 685 Fundamentals of Network Security (MCNS, CSPFA)	3	
INF 346 Beginning Video Production	3			INF 695 Advanced Routing (CCNP Prep 1)	3	
INF 348 Beginning Audio Production	3			INF 697 Advanced LAN Switching (CCNP Prep 3)	3	
Web & Mobile Application Development					3	
INF 650 Introduction to Human-Computer Interaction	3			MGT 601 Project Management	3	
INF 651 Front-End Web Development I	3			MIS 602 Information Systems Design and Development	3	
					3	
CORE/CROSS CONCENTRATION TOTAL	39			<i>Additional follow on page 2</i>		



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CYBERSECURITY CONCENTRATION continued

	Hr	Sm	Grd	REQUIRED COGNATE COURSES	Hr	Sm	Grd
CSCI 221 Computer Science II	3			COMM 318 Intro to Organizational Communication	3		
	3			MATH 110 College Algebra (or higher)	3		
GSCI 240 Introduction to Geographic Information Systems	3			MATH 250 Elements of Statistics	3		
GSCI 290 Cartography: Theory and Applications	3						
GSCI 360 Intermediate Geographic Information Systems	3			BACHELOR DEGREE REQUIREMENTS		BA	BS
GSCI 425 Advanced Geographic Information Systems	3			CORE/CROSS CONCENTRATION REQUIREMENTS		39	39
GSCI 474 Aerial Photographs and Remote Sensing	3			EMPHASIS REQUIREMENTS		15	15
CSCI 121 Computer Science I (F, c)	3			FREE ELECTIVE(S)		1	11
				UNIVERSITY DEGREE REQUIREMENTS		65	55
TOTAL MAJOR & EMPHASIS REQUIREMENTS	54			TOTAL CREDIT HOURS		120	120

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Forward thinking. World ready.

Phone: (785) 628-5373

Website: www.fhsu.edu/informatics

Email: informatics@fhsu.edu

Degree Requirements for Bachelors in Information Networking and Telecommunications

INFORMATION SYSTEMS CONCENTRATION							
INF MAJOR CORE (18 hours)	Hr	Sm	Grd	Students will work with their advisor to tailor their remaining 15 hours of electives for their major from the following courses, based upon their professional interests and goals:			
INF 250 Introduction to Web Development	3						
INF 300 Foundations of Informatics	3						
INF 405 Research Methods in Informatics	3						
INF 430 Technology Innovation and Entertpreneurial Leadership	3				Hr	Sm	Grd
INF 490 Capstone Seminar in Informatics	3			INF 292 Internetworking II (CCNA Prep)	3		
INF 610 Public Policy, Ethics and Law in Information Networking	3			INF 393 Internetworking III (CCNA Prep)	3		
				INF 472 Readings in Informatics(as approved by advisor)	3		
				INF 473 Problems in Informatics (as approved by advisor)	3		
				INF 479 Internship in Informatics (encouraged, up to 6 hours)	3		
CONCENTRATION REQUIREMENTS: INFORMATION SYSTEMS (15 hours)	Hr	Sm	Grd	INF 603 Big Data Analytics	3		
				INF 650 Introduction to Human Computer Interaction	3		
INF 360 Programming with Python	3			INF 651 Front-End Web Development I	3		
INF 304 Management Information Systems	3			INF 652 Database Design & Programming	3		
INF 315 Enterprise Resource Planning	3			INF 653 Back-End Web Development I	3		
INF 330 Business Intelligence	3			INF 654 Mobile Web-Development I	3		
INF 678 Topics in Informatics: Data Analytics I	3			INF 658 Law of Cyberspace	3		
				INF 660 Global Telecom	3		
CROSS CONCENTRATION ELECTIVE: (Choose 2: No more than one from each concentration)	Hr	Sm	Grd	INF 662 Modern Telephony	3		
Computer Networking & Telecommunications				INF 664 Wireless and Cellular Systems (CWNA Prep)	3		
INF 291 Internetworking I	3			INF 671 Linux in Networking	3		
Cybersecurity				INF 672 Advanced Linux in Networking	3		
INF 671 Linux in Networking	3			INF 678 Seminar in Informatics/Virtualized Infrastruture	3		
Digital Media Production & Journalism				INF 684 Foundations of Information Systems Security	3		
INF 140 Introduction to Electronic Media	3			INF 685 Fundamentals of Network Security (MCNS, CSPFA)	3		
INF 346 Beginning Video Production	3			INF 695 Advanced Routing (CCNP Prep 1)	3		
INF 348 Beginning Audio Production	3			INF 697 Advanced LAN Switching (CCNP Prep 3)	3		
Web & Mobile Application Development					3		
INF 650 Introduction to Human-Computer Interaction	3			MGT 601 Project Management	3		
INF 651 Front-End Web Development I	3			MIS 602 Information Systems Design and Development	3		
					3		
CORE/CROSS CONCENTRATION TOTAL	39			Additional follow on page 2			



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CYBERSECURITY CONCENTRATION continued

	Hr	Sm	Grd	REQUIRED COGNATE COURSES	Hr	Sm	Grd
CSCI 221 Computer Science II	3			COMM 318 Intro to Organizational Communication	3		
	3			MATH 110 College Algebra (or higher)	3		
GSCI 240 Introduction to Geographic Information Systems	3			MATH 250 Elements of Statistics	3		
GSCI 290 Cartography: Theory and Applications	3						
GSCI 360 Intermediate Geographic Information Systems	3			BACHELOR DEGREE REQUIREMENTS		BA	BS
GSCI 425 Advanced Geographic Information Systems	3			CORE/CROSS CONCENTRATION REQUIREMENTS		39	39
GSCI 474 Aerial Photographs and Remote Sensing	3			EMPHASIS REQUIREMENTS		15	15
CSCI 121 Computer Science I (F, c)	3			FREE ELECTIVE(S)		1	11
				UNIVERSITY DEGREE REQUIREMENTS		65	55
TOTAL MAJOR & EMPHASIS REQUIREMENTS	54			TOTAL CREDIT HOURS		120	120

Notes:



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