



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**

COMPUTER NETWORKING AND TELCOMMUNICATIONS 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 (F, S, c) (F, S, U, vc)	3						
INF 300 Foundations of Informatics	3						
INF 405 Research Methods in Informatics	3						
INF 430 Technology Innovation and Entrepreneurial Leadership	3			INF 304 Management Information Systems	3		
INF 490 Capstone Seminar in Informatics	3			INF 394 Internetworking IV (CCNA Prep)	3		
INF 610 Public Policy, Ethics and Law in Information Networking	3			INF 472 Readings in Informatics(as approved by advisor)	3		
CONCENTRATION REQUIREMENTS: COMPUTER NETWORKING & TELECOMMUNICATIONS (15 hours)	Hr	Sm	Grd	INF 473 Problems in Informatics (as approved by advisor)	3		
INF 291 Internetworking I (CCENT Prep)	3			INF 479 Internship in Informatics (encouraged, up to 6 hours)	3		
INF 292 Internetworking II (CCCENT Prep)	3			INF 603 Big Data Analytics	3		
INF 393 Internetworking III (CCNA Prep)	3			INF 650 Introduction to Human Computer Interaction	3		
INF 680 Network Architecture and Data Communications I	3			INF 651 Front-End Web Development I	3		
INF 681 Network Architecture and Data Communications II	3			INF 652 Database Design & Programming	3		
CROSS CONCENTRATION ELECTIVE: (Choose 2: No more than one from each concentration)	Hr	Sm	Grd	INF 653 Back-End Web Development I	3		
Cybersecurity				INF 654 Mobile Web-Development I	3		
INF 360 Programming with Python	3			INF 658 Law of Cyberspace	3		
INF 685 Fundamentals of Network Security	3			INF 660 Global Telecom	3		
INF 671 Linux in Networking	3			INF 662 Modern Telephony	3		
Digital Media Production & Journalism				INF 664 Wireless and Cellular Systems (CWNA Prep)	3		
INF 140 Introduction to Electronic Media	3			INF 671 Linux for Networks	3		
INF 346 Beginning Video Production	3			INF 672 Advanced Linux in Networking	3		
INF 348 Beginning Audio Production	3			INF 678 Seminar in Informatics/Virtualized Infrastructure	3		
INF 420 Social Issues and Information Networking	3			INF 684 Foundations of Information Systems Security	3		
Information Systems				INF 685 Fundamentals of Network Security (MCNS, CSPFA)	3		
INF 304 Management Information Systems	3			INF 695 Advanced Routing (CCNP Prep 1)	3		
INF 402 Windows Server Administration	3			INF 697 Advanced LAN Switching (CCNP Prep 3)	3		
Web and Mobile Application Development				INF 698 Internetwork Troubleshooting (CCNP Prep 4)	3		
INF 650 Introducton to Human-Computer Interaction	3			MGT 601 Project Management	3		
INF 651 Front-End Web Development	3			MIS 602 Information Systems Design and Development	3		
INF 652 Database Design and Programming	3						
CORE/CROSS CONCENTRATION TOTAL	39			<i>Additional follow on page 2</i>			



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COMPUTER NETWORKING & TELECOMMUNICATIONS CONCENTRATION continued

	Hr	Sm	Grd	REQUIRED GENERAL EDUCATION CLASSES	Hr	Sm	Grd
CSCI 262 Computer Science II	3			COMM 318 Intro to Organizational Communication	3		
CSCI 369 Java Programming	3			MATH 110 College Algebra (or higher)	3		
GSCI 240 Introduction to Geographic Information Systems	3			MATH 250 Elements of Statistics	3		
GSCI 290 Cartograohy: Theory and Applications	3						
GSCI 360 Intermediate Geographic Information Systems	3						
GSCI 425 Advanced Geographic Information Systems	3			BACHELOR DEGREE REQUIREMENTS		BA	BS
GSCI 474 Aerial Photographs and Remote Sensing	3			CORE/CROSS CONCENTRATION REQUIREMENTS		39	39
CSCI 261 Computer Science I (F, c)	3			EMPHASIS REQUIREMENTS/FREE ELECTIVE		20	30
				UNIVERSITY DEGREE REQUIREMENTS		65	55
TOTAL MAJOR & EMPHASIS REQUIREMENTS	54			TOTAL CREDIT HOURS		124	124

Notes: