

General Education

Study Area I

Arts & Humanities (9)

Literature (I**)	3
	3
	3

Study Area II

Social Sciences (6)

History (I**)	3
PS 110 / PS 210	3

Study Area III

Behavioral Sciences (6)

	3
	3

Study Area IV

Natural Sciences (6)

Physics 111 (lab included)	3
	3

Skill Area I

Communication Skills (6)

WRT 105/105P (5 cr) or WRT 110*	3
	3

Skill Area II

Mathematical Sciences (6)

Math 217 or 218 Discrete Math	4
Math 152 Calculus I	4

Skill Area III

Foreign Language

_____ 3 years of one foreign language / HS level

_____ passed the foreign language exam

_____ completed 112/114/118 foreign language

_____ native proficiency in a language other than English

Skill Area IV - Univ. Requirement

	2
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Core Requirements

CYS 227 Introduction to Cybersecurity	3
CET 229 Comp. Hardware Architecture	3
CET 249 Intro to Networking Tech	3
CET 339 Comp. System Administration	3
CET 349 Network Routing	3
CYS 459 Network Security Techs	3
CYS 467 Security System Mgt	3
CYS 477 Ethical Hacking & Penetration Testing	3
CS 151 Computer Science I	3
CS 152 Computer Science II	3
CS 253 Data and File Structures	3
CS 355 Systems Programming	3
CYS 492 Computer Security	3
CYS 493 Secure Software Systems	3
CYS 494 Cryptographic Systems	3
CRM 414 / PS 210 Cybercrime or Intl & Domestic Legal Enviro Cybersecurity	3 - 4
CYS 400 Internship & Senior Seminar	3
Free electives	

Select a Concentration

Cyber Operations Concentration

CET 223 Basic Electrical Circuits	3
CET 363 Digital Circuits	3
CET 466 Logic Design	3
CET 469 Wireless Networks and Security	3
CS 254 Computer Organization & Assembly Lang Programming	3
CS 481 Operating Systems Design	3
CYS 419 / CYS 455 Usable Security and Privacy or Secure Software Development	3
CYS 291 / CYS 487 Computer Forensics or Network Forensics	3
Free electives	

Cyber Defense Concentration

CET 113 Intro to Info Processing	3
CET 439 Enterprise Messaging Sys	3
CET 449 Advanced Networking	3
CET 479 Network Administration	3
CS 460 Database Concepts	3
CS 481 Operating Systems Design	3
Free electives	

General Concentration is the default and requires completion of a Minor

General Concentration - Minor Required

Other Graduation Requirements

International Requirement	
International Requirement	
First Year Experience	