

## ECPI College of Technology AS Computer & Information Science: Networking & Security Management

Academic Residency - 25% of coursework  
CBT is authorized academic coursework

### Points of Contact

Charles Goodman, Director of Education, Military Affairs  
Tel: 866-660-8996 Fax: (757) 446-0810  
cgoodman@ecpi.edu

### Degree Requirement Summary

I. An 'X' indicates that the college may grant credit for this requirement from the source marked for at least a portion of the requirement. Contact the institution for details on credit awarded.

Degree Requirement	SH	SOC Code	NAVY Rating	NAVY School	Tests	NCPACE
<b>Arts and Sciences Curriculum (25 Semester Hours Required)</b>						
<b>I. Communication (9 Semester Hours)</b>						
COM110 Communication	3		X	X	X	
ENG110 College Composition	3				X	
ENG120 Advanced Composition or Digital Rhetoric	3				X	
<b>II. Mathematics (3 Semester Hours)</b>						
MTH131 College Algebra	3		X	X	X	
MTH140 Statistics	3				X	
MTH200 Pre -calculus	3				X	
MTH201 Calculus	3					
<b>III. Natural Science (4 Semester Hours)</b>						
BIO122 Environmental Biology	3					
BIO122L Environmental Biology LAB	1					
GEO102 Geology	3					
GEO102L Geology LAB	1					
MAR100 Marine Science	3					
MAR100L Marine Science LAB	1					
PHY120 Physics	3					
PHY125 Physics LAB	1					
<b>IV. Humanities/Fine Arts (3 Semester Hours)</b>						
COM300 Organization Communication	3			X		
ENG200 Major Writers in World Literature	3					
ENG210 Critical Thinking	3		X	X		
PHI230 Ethics in the Modern World	3					
HUM200 Art Appreciation	3				X	
HUM205 Culture and Diversity	3				X	
HUM210 Music Appreciation	3				X	
SPN100 Spanish I	3					
SPN110 Spanish II	3					
<b>VI. Social and Behavioral Sciences (3 Semester Hours)</b>						

ECO201 Macroeconomics	3				X	
ECO202 Microeconomics	3					
PSY105 Introduction to Psychology	3		X	X	X	
PSY220 Positive Psychology	3					
SOC100 Introduction to Sociology	3		X	X	X	
SOC105 Global Social Issues	3					
<b>VII. Computer Technology and Literacy (3 Semester Hours)</b>						
IST120 Computer Applications	3		X	X	X	
<b>Major Core Curriculum (51 Semester Hours)</b>						
<b>I. Self Integration (3 Semester Hours)</b>						
COR090 Career Orientation Seminar	0					
FOR112 College Orientation	3					
<b>II. Core Information Systems Courses (21 Semester Hours)</b>						
BUS122 Principles of Business and Management	3				X	
CIS102/IS105 Fundamentals of Customer Service	3				X	X
CIS106/IS100 Introduction to Operating Systems	3		X	X		X
CIS121/GSP120 Logic and Design	3					X
CIS150/NSM130 Introduction to Networking	3		X	X		X
CIS151/NSM140 Networking II	3					X
CIS282/WEB120 Web Interface Design	3					X
<b>III. Required Networking and Security Management Courses (20Semester Hours)</b>						
CIS212 Network Security Concepts	3					
CIS245/NSM150 Windows Client and Server	3					X
CIS245L Windows Client & Server LAB	1					
CIS251/NSM160 Advanced Windows Server	3					X
CIS256 Windows Active Directory & E-mail Service	3					
CIS301/NSM260 Unix Administration	3					X
CIS305 Advanced Unix Administration	3					
CIS305L Advanced Unix Administration LAB	1					
<b>IV. Advanced Technical Courses (7 Semester Hours)</b>						
ACC113 Principles of Budgeting	3					
CAP290 Capstone	3					
CAP290L Capstone LAB	1					
CIS126 Programming I	3					
CIS131 Database I	3					
CIS202/NSM200 Introduction to Routing and Switching	3					X
CIS204/NSM205 Intermediate Routing and Switching	3					X
CIS207 Routing and Switching LAB	1					
CIS215 Programming II	3					
CIS215L Programming II LAB	1					
CIS250 Database Scripting	3					
<b>IV. Advanced Technical Courses Cont.</b>						
CIS274 CIS Project I	4					
CIS280 CIS Project II	3					

CIS302 Help Desk Concepts	3					
CIS306 Novell Operating Systems	3					
CIS307 Novell Network Administration	3					
CIS307L Novell Network Administration LAB	1					
CIS311 Website Site Management	3					
CIS311L Website Site Management LAB	1					
CIS313 Troubleshooting Desktop Applications	3					
CIS314 Troubleshooting Client Operating Systems	3					
CIS316 Troubleshooting Client & Desktop Operating Systems LAB	1					
CIS330 Network Application Server Management	3					
INT290 Internship	3					
<b>Total Semester Hours Required</b>	76					

IL indicates Instructor-Led and CBT indicates Distance Learning which could be paper-based, CD-ROM, videoconferencing, etc.