BS

SECINFASR BS

Security and Information Assurance
Major: Information and Computer Security
120 credits

Associate in Applied Science
Computer Systems Security

2011-2012

(Classes taken at Washtenaw Community College to complete associate degree are in red)

Foundations of Excellence		21 credits	Washtenaw Community College		Transfer Credit	3rd Year	Davenport Credit
COMM120	Presentation Techniques	3	#COM101	Foundations of Speaking	3		
ENGL109	Composition	3	#\ENG111	Composition I	4		
ENGL110	Advanced Composition	3	#ENG226	Composition II (take as Humanities elective)	3		
ENGL311	Professional Writing	3					3
FRSM100	Career & Education Seminar **or** (if exempt) Open Elective	3		Computer Literacy	3		
HUMN310-315	Global Cultures: Choice of country or culture	3					3
SOSC201	Diversity in Society	3	#SOC205	Race and Ethnic Relations	3		

Foundations of Mathematics and Science		15 credits	Washtenaw Community College		Transfer Credit	3rd Year	Davenport Credit
MATH125	Intermediate Algebra	3	#MTH169	Intermediate Algebra	4		
MATH135	College Algebra	3	MTH176	College Algebra		4	
STAT220	Introduction to Statistics	3	BMG265	Business Statistics		3	
ENVS125 **or** PHYS100 **and** PHYS100L	Environmental Studies **or** Applied Physics **and** Applied Physics Lab	3	#PHY111	General Physics I	4		
Choose one of the following:		**3**					
MATH140	Finite Mathematics						
MATH150	Pre-Calculus		MTH191	Calculus I	5		
STAT322	Inferential Statistics						

Foundations of Business		9-10 credits	Washtenaw Community College		Transfer Credit	3rd Year	Davenport Credit
ACCT200 **or** ACCT201	Accounting Basics for Managers **or** Accounting Foundations I	3-4					3
BUSN210	Professional Ethics	3					3
MGMT211	Management Foundations	3					3

Foundations of Technology		21 credits	Washtenaw Community College		Transfer Credit	3rd Year	Davenport Credit
BITS212	Microcomputer Applications: Database	3	BOS182	Database Software Applications		3	
CISP111	Systems Foundations	3	CIS110 or CIS288	Introduction to Computer Information Systems or System Analysis and Design		3	
CISP247	Database Design	3	CIS282	Relational Database Concepts and Application		3	
CISP250	Discrete Structures	3					3
GPMT350	Principles of Project Management	3	BMG291	Project Management		3	
IAAS221	Security Foundations	3	CSS200	Information Assurance I		4	
NETW217	Unix Operating Systems	3	CIS121	Linux/UNIX 1: Fundamentals	4		

Major		51 credits	Washtenaw Community College		Transfer Credit	3rd Year	Davenport Credit
CISP220	Web Page Applications	3	INP140	Building a Website		3	
CISP238	Server Side Scripting I	3	CPS276 or INP281	Web Programming Using Apache, MySQL and PHP or Server-Side Web Programming		4 or 3	
CISP311	Database Systems	3					3
CISP312	Data Structures	3					3
Choose one of the following sequenced programming languages not completed as part of the Foundations:		**6**					
CISP231 **and** CISP232	C++ Programming I **and** C++ Programming II						
CISP233 **and** CISP234	C# Programming I **and** C# Programming II						
CISP237 **and** CISP239	Java Programming I **and** Java Programming II		CPS161 & CPS261	An Introduction to Programming with Java & Advanced Java Concepts		8	
CISP241 **and** CISP242	Visual Basic Programming I **and** Visual Basic Programming II						

					Transfer Credit	3rd Year	Davenport Credit
IAAS245	Disaster Recovery	3					3
IAAS325	Wireless Networking and Security	3	CSS212	Fundamentals of Secure Wireless Local Area Networks		4	
IAAS331	Database and Distributed Systems	3					3
IAAS332	Authentication and Audits	3					3
IAAS421 **or** CISP420	Computer Forensics **or** Distributed Architectures	3	CSS275	Computer Security IX		4	
IAAS481	Information Security and Assurance	3	CSS220	Computer Security VI	4		
IAAS491	Cryptography	3					3
IAAS492 **or** NETW201	Legal / Ethical Issues in Information Assurance **or** PC Management and Maintenance	3	CST150	Computer Systems Technology II		5	
NETW101	PC Operating Systems	3	CST155	Computer Systems Technology II		5	
NETW111 **or** NETW220	Cisco Networking Fundamentals **or** Data Communications and Networks	3	CNT206 or CST225	Internetworking I - Fundamentals or Computer Systems Technology III		3	
TECH497	College of Technology Capstone	3					3
Open Electives		**2-3 credits**	**Washtenaw Community College**		**Transfer Credit**	**3rd Year**	**Davenport Credit**
Recommended Electives:				Remaining courses in program	29		
IAAS483	Prevention, Detection Processes						
IAAS490	Information Assurance and Security Internship						
GPMT400	Financial Management of Projects						
NETW235	Unix/Linux Server Administration						
TOTAL CREDIT HOURS					**Transfer Credit**	**3rd Year**	**Davenport Credit**
					Minimum	Minimum	Minimum
				160 credits to complete	66	55	39

Preferred Course | 12 DU courses to complete