

APPLIED COMPUTER SCIENCE CURRICULUM SHEET Cybersecurity Concentration
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FRESHMAN (31)

FALL			SPRING		
MATH 122	Survey of Calculus	3	MATH 174	Discrete Mathematics	3
CSCI 125	Introduction to Computer Science	3	ENGL 102	Rhetoric & Composition	3
ENGL 101	Critical Reading & Comp.	3	CSCI 145	Algorithmic Design I	4
GEN ED	HIST 101 or 102	3	GEN ED	Soc./Behavioral Science	3
ELECTIVE	Free Elective	<u>3</u>	CSCI 215	Ethics and Professional Issues	3
		15			16

SOPHOMORE (32)

FALL			SPRING		
CSCI 255	Intro. to Information Security	3	CSCI 220	Data Structures & Algorithms	3
CSCI 146	Algorithmic Design II	4	CSCI 285	Intro. To Cryptography	3
CSCI 210	Intro. to Computer Organization	3	CSCI 360	Software Engineering	3
GEN ED	COMM 201/241	3	GEN ED	POLI 201, HIST 201/202	3
GEN ED	Humanities	<u>3</u>	GEN ED	Natural Science	4
		16			16

JUNIOR (31)

FALL			SPRING		
CSCI 520	Database System Design	3	CSCI 415	Data Commu. & Computer Networks	3
CSCI 411	Operating Systems	3	CSCI 515	Ethical Hacking	4
GEN ED	Fine Arts	3	ELECTIVE	Free Elective	3
GEN ED	Humanities	3	GEN ED	Tier 2 course	3
GEN ED	Tier 2 course	<u>3</u>	ELECTIVE	Technical Elective	3
		15			16

SENIOR (26)

FALL			SPRING		
CSCI 591	Capstone Seminar 1	3	CSCI 545	Cyber Defense & Digital Forensics	3
CSCI 425	Network Security	3	CSCI 592	Capstone Seminar 2	3
CSCI 525	Secure Software Engineering	3	ELECTIVE	Technical Elective	3
GEN ED	Natural Science	<u>4</u>	ELECTIVE	Technical Elective	3
		13	ELECTIVE	Free Elective	1
					13

Total Hours	120
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TECHNICAL ELECTIVES

Departmental Approval

ADDITIONAL REQUIREMENTS

Three Writing Intensive Courses (at least one in major)
One 3-Credit Non-Western World Studies Course