



## BACHELOR OF SCIENCE IN CYBERSECURITY – 123 CREDITS

The study plan below is for guidance only. Always review your individual check sheet for your degree requirements.

For full course descriptions, see the [RMU Course Catalog](#).

For more information, contact: **Dr. Peter Wu, Department Head & Professor, Computer and Information Systems, at wu@rmu.edu**

### RMU CORE COURSES - 39 CREDITS REQUIRED

CSEN; or CSCM	1010; or 2050	Reading & Writing Strategies; OR Intercultural Communications (Honors section: CSHR2055)	3
CSEN	1020	Argument & Research (Honors section: CSHR1025)	3
CSCM	1030	Public Speaking & Persuasion (Honors section: CSHR1035)	3
CSCM	2040	Professional Communication in Workplace (Honors section: CSHR2045)	3
ECON	1010	Survey of Economics (Honors section: ECON1015)	3
HUMA	1010	Humanities: Art and Music (Honors section: HUMA1015)	3
INFS	1020	Fundamentals of Information Technology (Honors section: INFS1025) – Minimum grade of “C” required	3
MATH	2040	Finite Math & Applied Calculus	3
PSYC	1010	General Psychology (Honors section: PSYC1015)	3
SOCI	1010; or 1020	Principles of Sociology; OR Contemporary American Social Problems (Honors section: SOCI1025)	3
HIST; or POLS	____; or ____	History Elective Choose from: 1100 (Honors section: HIST1105), 1200, 1500, 1600, 1700, or 1800; OR Political Science Elective 1020 (Honors section: POLS1025)	3
ENGL	____	Literature Elective Choose from 1040, 1050, 1060, 2030, 2040, 2055 (HNRS: HNRS2065), or 2080	3
____	____	Natural Science Elective Choose from BIOL1040, BIOL1050, BIOL1060, BIOL1060, BIOL1250, BIOL1320, CHEM1220, ENVS1140, ENVS1160, ENVS1170, GEOL1090 (HNRS: GEOL1095), GEOL1100, GEOL1130, PHYS1060, or SCIE1020	3

### MAJOR - 36 CREDITS REQUIRED – Minimum grade of “C” must be earned for each course

INFS	2120; or ____	Visual Basic Programming; OR 2130, 2140, 2151, 2160, 2184, 3211, or S3212	3
STAT	2110	Statistics	3
INFS	3121; or ____	Visual Basic Programming II; OR 3130, 3141, 3152, 3185, or 4150	3
INFS	3210	Operating Systems Concepts	3
INFS	3220	Systems Analysis and Design	3
INFS	3230	Network Data/Computer Communication	3
INFS	3235	Computer and Network Security	3
INFS	3240	Python Program Language	3
INFS	3450	Quantitative Anal for Info Sys Prof	3
INFS	4170	Global, Economic, Social & Ethical Issues in Computing	3
INFS	4240	Database Management Systems	3
INFS	4810	Project Management	3
INFS	4860	Program Outcomes Assessment	0

### CONCENTRATION – 21 CREDITS REQUIRED: SELECT ONE CONCENTRATION – Minimum grade of “C” must be earned for each course

CYBERSECURITY				OR	DIGITAL FORENSICS			
INFS	3120	Intro to Computer Forensics	3	INFS	3120	Intro to Computer Forensics	3	
INFS	3170	Cyberlaw	3	INFS	3170	Cyberlaw	3	
INFS	3222	IT Security, Control/Assurance	3	INFS	3190	Digital Evidence Analysis	3	
INFS	3223	IT Governance, Control/Assurance	3	INFS	3191	Mobile Forensics	3	
INFS	3850	Adv. Topics in Cyber Defense	3	INFS	3222	IT Security, Control/Assurance	3	
INFS	4180	Network Forensics, Intr Det/Resp	3	INFS	3223	IT Governance, Control/Assurance	3	
INFS	4870	Cybersecurity Capstone	3	INFS	4180	Network Forensics, Intr Det/Resp	3	

### AREA OF INTEREST - 15 CREDITS REQUIRED\*

____	____	Restricted Elective	3
____	____	Restricted Elective	3
____	____	Restricted Elective	3
____	____	Restricted Elective	3
____	____	Restricted Elective	3

### OPEN ELECTIVES - 12 CREDITS MINIMUM REQUIRED

____	____	Open Elective	3
____	____	Open Elective	3
____	____	Open Elective	3
____	____	Open Elective	3

--	--	--	--

\*Students must choose one of the prescribed areas of interest approved by the Computer and Information Systems (CIS) Department.  
A cumulative GPA of 2.00 or higher is required for graduation.