



BACHELOR OF SCIENCE (B.S.) 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](#). A cumulative GPA of 2.00 or higher is required for graduation.
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, BIOL1250, BIOL1320, CHEM1220, ENVS1140, ENVS1160, ENVS1170, GEOL1090 (HNRS: GEOL1095), GEOL1100, GEOL1130, PHYS1060, or SCIE1020	3

MAJOR - 33 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
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* – Minimum grade of “C” must be earned for each course

____	____	Restricted Elective 1	3
____	____	Restricted Elective 2	3
____	____	Restricted Elective 3	3
____	____	Restricted Elective 4	3
____	____	Restricted Elective 5	3

OPEN ELECTIVES - 15 CREDITS MINIMUM REQUIRED

____	____	Open Elective 1	3
____	____	Open Elective 2	3
____	____	Open Elective 3	3
____	____	Open Elective 4	3
____	____	Open Elective 5	3

*Students must choose one of the prescribed areas of interest approved by the Computer and Information Systems (CIS) Department.