School of Informatics, Humanities and Social Sciences
Department of Computer and Information Systems

BACHELOR OF SCIENCE (B.S.) IN CYBERSECURITY (123 CREDITS)

4-Year Guided Curriculum

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**

FALL		Semester 1		YEAR 1	SPRING		Semester 2	
INFS	1020	RMU core course 1: Fundamentals of Information Technology	3		CSEN; or CSCM	1020; or 1030	RMU core course 6: Argument & Research (Honors section: CSHR1020); or Public Speaking & Persuasion (Honors section: CSHR1030)	3
CSEN; or CSEN	1010; or 1020	RMU core course 2: Reading & Writing Strategies; or Argument & Research (Honors section: CSHR2050)	3		ECON	1010	RMU core course 7: Survey of Economics	3
PSYC	1010	RMU core course 3: General Psychology (Honors: PSYC1015)	3		MATH	2040	RMU core course 8: Finite Math and Applied Calculus	3
SOCI; or SOCI	1010; or 1020	RMU core course 4: Principles of Sociology; or Contemp Amer Social Prob (Honors: SOCI1025)	3		HIST; or POLS	____; or 1020	RMU core course 9: History elective; or American National Government	3
ENGL	____	RMU core course 5: Literature Elective	3		____	____	Open Elective	3
FYSP	1000	First Year Studies Seminar	1					
FALL		**Semester 3**		**YEAR 2**	**SPRING**		**Semester 4**	
CSCM; or CSCM	1030; or 2040	RMU core course 10: Public Speaking & Persuasion (Honors: CSHR1030); or Prof Comm in Workplace (Honors: CSHR2040)	3		CSCM; or CSCM	2040; or 2050	RMU core course 12: Professional Communication in Workplace (Honors section: CSHR2040); or Intercultural Communications (Honors section: CSHR2050)	3
HUMA	1010	RMU core course 11: Humanities: Arts and Music	3		INFS	_____	Programming II (Choice of C++, C#, Java)	3
INFS	____	Programming I (Choice of C++, C#, Java)	3		INFS	3220	Systems Analysis and Design	3
INFS	3120	Intro to Computer Forensics	3		INFS	3170	Cyberlaw	3
INFS	3210	Operating Systems Concepts	3		____	____	Area of Interest	3
					____	____	Open Elective	3
FALL		**Semester 5**		**YEAR 3**	**SPRING**		**Semester 6**	
INFS	3230	Networks/Data/Computer Communication	3		____	____	RMU core course 13: Natural Science Elective	3
INFS	4240	Database Management System	3		INFS	3235	Computer Network Security	3
INFS	3240	Python Programming	3		INFS	3450	Quantitative Analysis for IS Prof	3
____	____	Open Elective	3		____	____	Area of Interest	3
Cybersecurity Concentration: ____	____	Area of Interest	3		Cybersecurity Concentration: ____	____	Open Elective	3
Digital Forensics Concentration: INFS	3190	Digital Evidence Analysis			Digital Forensics Concentration: INFS	3191	Mobile Forensics	
FALL		**Semester 7**		**YEAR 4**	**SPRING**		**Semester 8**	
INFS	3222	IT Security, Control/Assurance	3		INFS	4810	Project Management	3
INFS	3223	IT Governance, Control	3		INFS	4170	Glob, Econ, Soc, Eth Iss Comp	3
INFS	4180	Network Forensics, Intr	3		____	____	Area of Interest 4	3
____	____	Open Elective	3		____	____	Area of Interest 5	3
Cybersecurity Concentration: INFS	3850	Advanced Topics in Cyber Defense	3		Cybersecurity Concentration: ____	____	Cybersecurity Capstone	3
Digital Forensics Concentration: ____	____	Area of Interest			Digital Forensics Concentration: ____	____	Open Elective	
						4860	Program Outcomes Assessment	0