

Westmoreland AS Computer Science to RMU BS Cybersecurity (Degree Requirements = 120 Credits)



Westmoreland Degree Requirements			RMU Degree Requirements Equivalencies			
WESTMORELAND COURSEWORK			RMU UNIVERSITY CORE REQUIREMENTS			
Designation	Course Number	Course Title	Designation	Course Number	Course Title	Credits
ENG	161	College Writing	CSEN	1010	Reading & Writing Strategies	3
ENG	164	Advanced Composition	CSEN	1020	Argument & Research	3
SPC	155	Effective Speech	CSCM	1030	Public Speaking & Persuasion	3
ENG	255	Introduction to Literature (Restricted Elec)	ENGL	___	Literature Elective	3
ART OR MUS	155	Intro to Art History OR Music Listening	HUMA	1010	Humanities: Art and Music	3
CPT	150	Microcomputer Concepts	INFS	1020	Fundamentals Of Information Technology	3
PSY	160	General Psychology	PSYC	1010	General Psychology	3
SOC	155	Principles of Sociology	SOCI	1010	Principles of Sociology	3
MTH	172	Analytical Geometry & Calculus 1	MATH	2040	Finite Math & Applied Calculus	3
CHM OR PHY	155	General Chem I OR College Physics I (4)*	___	___	Natural Science Elective	3
PDV	101	First Year Seminar	FYSP	1011	Transition: College to Career	1
WESTMORELAND COURSEWORK			RMU MAJOR REQUIREMENTS			
Designation	Course Number	Course Title	Designation	Course Number	Course Title	Credits
CPT	145	Intro to Computer Technology	CYBS	2010	Computing Principles & Practices	3
CPT	160	Intro to Programming	INFS	2420	Fundamentals of Programming	3
CPT	182	Operating Systems	INFS	2020	Operating Systems	3
CPT	163	Java Programming I	INFS	3240	Python Programming Language	3
MTH	277	Discrete Mathematics	INFS	3450	Discrete Mathematics for Computing	3
WESTMORELAND COURSEWORK			RMU OPEN ELECTIVES			
Designation	Course Number	Course Title	Designation	Course Number	Course Title	Credits
CHM OR PHY	155	General Chem I or College Physics I (4)*	___	___	Open Elective	1
PHL	155	Introduction to Logic	___	___	Open Elective	3
CPT	213	Java Programming II	___	___	Open Elective	3
CHM OR PHY	156	General Chem II OR College Physics II	___	___	Open Elective	4
MTH	158	Pre-Calculus	___	___	Open Elective	3
MTH	160	Introduction to Statistics	___	___	Open Elective	3
RMU REMAINING COURSEWORK (Degree Requirements = 120 Credits)						
Designation	Course #	Course Title	Designation	Course #	Course Title	
CSCM	2040	Prof. Comm. in Workplace	HIST/POLS	___	History OR Political Science Elective	
ECON	1010	Survey of Economics	CYBS	3120	Introduction to Digital Forensics	
CYBS	2000	Intro to Cybersecurity	CYBS	3170	Cyberlaw	
INFS	3230	Computer Networking	CYBS	3220	Secure System Design	
INFS	3235	Network Security	CYBS	4350	Cybersecurity Policies, Standards, & Compliance	
INFS	4240	Database Management Systems	CYBS	4360	Emerging Topics in Cybersecurity	
CYBS	4250	Data Security and Cryptography	CYBS	4300	Cybersecurity Risk Management	
___	___	Concentration Requirement (1 of 4)**	INFS	4370	IT Governance & Ethics	
___	___	Concentration Requirement (2 of 4)**	___	___	Concentration Requirement (3 of 4)**	
___	___	Open Electives (1 credit)	___	___	Concentration Requirement (4 of 4)**	

Minimum grade of "C" must be earned for transfer credit to be applied by RMU.

TOTAL WESTMORELAND CREDITS APPLIED	63
TOTAL RMU CREDITS REMAINING	57

*1 credit from 4 credit course applied to Open Electives, only applies when 4 credit course completed at Westmoreland.

** See [here](#) for course options.

For more information or to speak with an RMU Transfer Counselor, contact the [RMU Admissions Office](mailto:admissions@rmu.edu) at admissions@rmu.edu.