

Westmoreland AS Mathematics to RMU BS Statistics & Data Sciences



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
SPC	155	Effective Speech	CSCM	1030	Public Speaking & Persuasion	3
ECN	___	Social Science Elective (Restrict to ECN)	ECON	1020	Principles of Macroeconomics	3
ENG	___	Humanities Elective (Restrict to Literature)	ENGL	___	Literature Elective	3
HIS	___	Social Science Elective (Restrict to HIS)	HIST	___	History Elective	3
ART/PHL	___	Humanities Elective (Restrict to ART/PHL)	HUMA	1010	Humanities: Art and Music	3
CPT	160	Introduction to Programming	INFS	1020	Fundamentals of Info Technology	3
PSY	___	General Elective (Restrict to PSY)	PSYC	1010	General Psychology	3
SOC	___	General Elective (Restrict to SOC)	SOCI	1010	Principles of Sociology	3
MTH	172	Analytical Geometry & Calculus I (4)**	MATH	2070	Calculus with Analytic Geometry I	4
___	___	Lab Science Elective (4-5)*	___	___	Natural Science Elective	3
WESTMORELAND COURSEWORK			RMU MAJOR REQUIREMENTS			
Designation	Course Number	Course Title	Designation	Course Number	Course Title	Credits
CPT	180	C++ Programming	INFS	2184	C++ Programming	3
MTH	173	Analytical Geometry and Calculus II	MATH	2170	Calc w/Analytic Geometry II (4 credits)	4
MTH	271	Analytical Geometry and Calculus III	MATH	3090	Calculus w/Analytic Geometry III (4 credit)	4
MTH	275	Linear Algebra OR	MATH	3400	Linear Algebra with Applications	3
WESTMORELAND COURSEWORK			RMU OPEN ELECTIVES			
Designation	Course Number	Course Title	Designation	Course Number	Course Title	Credits
PDV	171	Career Pathway Exploration	___	___	Open Elective	3
PHY	255	Engineering Physics I (5)	___	___	Open Elective	5
___	___	Lab Science Elective (4-5)*	___	___	Open Elective	2
MTH	277	Discrete Mathematics	___	___	Open Elective	3
STM	296	STEM Seminar	___	___	Open Elective	1
RMU REMAINING COURSEWORK (Degree Requirements = 120 Credits)						
Designation	Course #	Course Title	Designation	Course #	Course Title	
CSCM	2040	Prof. Comm. in Workplace	CSEN	1020	Argument & Research	
ACCT	2030	Introduction to Financial Accounting	ECON	1030	Principles of Microeconomics	
ACSCI	2010	Fundamentals of Statistics w/EXCEL	FINA	3000	Principles of Finance	
ACSCI	4140	Data Analysis with R	FINA	3200	Corporate Finance	
ACSCI	4200	Mathematical Statistics	MATH	4200	Introduction to Stochastic Processes	
INFS	4220	Data Mining Applications	STAT	3140	Probability I	
INFS	4240	Data Management Systems	STAT	3150	Probability II	
INFS	4260	Data Integration for Analytics	STAT	4250	Regression Analysis	
STAT	4230	Time Series Analysis	STAT	4300	Health Care Predictive Analytics	
STAT	4350	Predictive Analytics	___	___	Open Electives (1 credit)	

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

* 2 credits from 5 credit course applied to Open Electives. Only applies if 5 credit course completed at Westmoreland.

**RMU requires a minimum grade of "B+" in MTH 172 in order to transfer into Statistics & Data Science. This requirement is based on experience where those students in this program who are unable to achieve a "B+" or higher have a very low probability of successful completion of the program.

TOTAL WESTMORELAND CREDITS APPLIED	62
TOTAL RMU CREDITS REMAINING	58

See [here](#) for additional program information.

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