



**4-Year Sample Transfer Degree Map
BC3 AS Mathematics to
RMU BS Statistics & Data Science**



BC3 Coursework - Total Transferred Credits: 63

First Year - Freshman							
1st Fall				1st Spring			
RMU Equiv.	Course #	BC3 Course Name	Crdt	RMU Equiv.	Course #	BC3 Course Name	Crdt
CSEN 1010	ENGL 101	College Writing	3	CSEN 1020	ENGL 102/104	Research Writing/With Literature	3
HUMA 1010	HUMA ____	Humanities Elective	3	Open Elective	PHYS 221	Engineering Physics I (4)	4
MATH 2070	MATH 221	Calculus and Analytic Geometry I*	4	MATH 2170	MATH 222	Calculus & Analytic Geometry II	4
ECON 1020	ECON 101	Prncpls of Econ - Macro (SOSC Elec)	3	Literature Elective	ENGL ____	Humanities Elec (Restrict to Lit)	3
Open Elective	PHED ____	Physical Education (1)	1	PSYC 1010	PSYC 201	General Psychology (General Elec)	3
TOTAL TRANSFER CREDITS			14	TOTAL TRANSFER CREDITS			17

Second Year - Sophomore							
2nd Fall				2nd Spring			
RMU Equiv.	Course #	BC3 Course Name	Crdt	RMU Equiv.	Course #	BC3 Course Name	Crdt
INFS 2184	COMP 230	Programming in C++ Engrs & Scie.	3	CSCM 1030	COMM 201	Speech	3
Open Elective	PHYS 222	Engineering Physics II (4)	4	Open Elective	MATH 224	Differential Equations	3
MATH 3400	MATH 230	Linear Algebra	3	MATH 3090	MATH 223	Calculus and Analytic Geometry III	4
Nat Sci Elec	HLTH 120	Health Science (3)	3	History Elective	HIST ____	History Elective (SOSC Elec)	3
SOCI 1010	SOCI 211	Principles of Sociology (General Elec)	3	Open Elective	MATH 107**	General Elective (Restrict: MATH 107)	3
TOTAL TRANSFER CREDITS			16	TOTAL TRANSFER CREDITS			16

RMU Coursework - Total Remaining Credits: 57 Credits

Third Year - Junior							
Fall Semester				Spring Semester			
Dept	Number	RMU Course Name	Crdt	Dept	Number	RMU Course Name	Crdt
CSCM	2040	Prof. Comm. In Workplace	3	ECON	1030	Principles of Microeconomics	3
ACCT	2030	Intro to Financial Accounting	3	FINA	3200	Corporate Finance	3
ASCI	2010	Fundamentals of Actuarial Science	3	INFS	4220	Data Mining Applications	3
ASCI	4140	Actuarial Data Analysis	3	INFS	4240	Data Mining Systems	3
STAT	3140	Probability/Math Stats I	3	STAT	3150	Probability/Math Stats II	3
TOTAL			15	TOTAL			15

Fourth Year - Senior							
Fall Semester				Spring Semester			
Dept	Number	RMU Course Name	Crdt	Dept	Number	RMU Course Name	Crdt
MATH	4200	Intro to Stochastic Processes	3	STAT	4300	Health Care Predictive Analytics	3
FINA	3000	Principles of Finance	3	STAT	4350	Predictive Analytics	3
STAT	4230	Time Series Analysis	3	INFS	4260	Data Warehousing	3
STAT	4250	Regression Analysis	3	INFS	1020	Fundamentals of Information Tech	3
ASCI	4200	Statistical Modeling I	3				
TOTAL			15	TOTAL			12

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

*RMU requires a minimum grade of "B+" for MATH 221 for admission into the program.

**An introductory statistics course is a pre-req for ANSI 4140: Actuarial Data Analysis, which students take in their first term at RMU.

RMU Provost Initials: MAR

BC3 Provost Initials:

Last revised: 02-28-2022