Bachelor of Science in Mathematics -- 120 Credits

Actuarial Track

JMATH-BS/JMACTURIL (RG 390)

GENERAL EDUCATION REQUIREMENTS (RG 245)

COMPETENCY AREAS - See Approved List of GenEd Courses

(RQ 736)

WRITING (RQL 736-10, 20)	CR	Satisfied/Term
Engcmp 0003 **or** 0005	3	
Engcmp 0004 **or** 0006	3	
Select one of the following options (RQL 736-30, 40)		
1 Primary Writing OR 2 Writing Enhanced courses		
	3	
	3	

(RQ 760)

SPEAKING (Select one option below)			
Option A: Any 3 Speaking Enhanced Courses (RQL 760-30)		3	
		3	
		3	
Option B: 1 course from each area below (RQL 760-10, 20)			
Any Primary Speaking Course			
		3	
Any Speaking Enhanced Course			
		3	

(RQ 886)

BASIC ALGEBRA & QUANTITATIVE REASONING		
The following requirements may be satisfied		
through placement exams; UPJ courses, transfer		
or College in High School courses		
Basic Algebra Requirement (RQL 886-10)	CR	Satisfied/Term
Satisfied by:		
Quantitative Reasoning Requirement (RQL 886-20)		
Satisfied by:		

KNOWLEDGE AREAS - See Approved List of GenEd Courses

(RQL 722-10 thru -60)

Social Science - 12 credits minimum		
Select one of the following options		
A. Select 1 course from 4 different disciplines		
B. Select 1 course from 3 different disciplines		
AND 1 follow-up course in any one of those 3		
Anthropology		
Economics		
Geography		
History		
Political Science		
Sociology		
Follow-up course		

(RQL 725 -50 thru -130)

Humanities - 12 credits minimum		
Select one of the following options		
A. Select 1 course from 4 different disciplines		
B. Select 1 course from 3 different disciplines		
AND 1 follow-up course in any one of those 3		
Communication		
English Literature		
English Writing		
Fine Arts		
Foreign Language		
Journalism		
Music		
Philosophy		
Theatre		
Follow-up course		

(RQ 1612)

Natural Science - 12 credits minimum	CR	Satisfied/Term
Fulfilled by Required Courses	9	
An additional course from any one of:	3	
Biology		
Chemistry		
Geology		
Physics		
Psychology		

MAJOR REQUIREMENTS (RG 390)

NOTE: To be admitted to the actuarial science option students must have earned

 a minimum GPA of 3.35 in the following math courses: 0221, 0231, 0241, 0401 and 1012.

(RQL 1057-10)

Requirement Math		CR	Satisfied/Term
Math 0221	Analytic Geom & Calc 1	4	
Math 0231	Analytic Geom & Calc 2	4	
Math 0241	Analytic Geom & Calc 3	4	
Math 0401	Discrete Math Structures	3	
Math 1012	Intro Theoretical Math	3	

(RQL 1058-10, 20, 30)

Math Electives		CR	Satisfied/Term
Select one of the following courses		CR	Satisfied/Term
Math 1125	Abstract Algebra	3	
Math 1531	Advanced Calculus 1	3	
Math 1561	Complex Vari & Apps	3	
Math 1701	Intro to Topology	3	
Select one of the following courses		CR	Satisfied/Term
Math 1071	Numberical Math Anal	3	
Math 1175	Topics in Applied Math	3	
Math 1178	Operations Research	4	
Math 1296	Topics in Applied Stats 1	3	
Select any 2 Math 1000 level courses			
Math		3	
Math		3	

(RQL 1058-40)

Business Electives		CR	Satisfied/Term
Select two of the following courses		CR	Satisfied/Term
Bus 1110	Cost Accounting Concepts	3	
Bus 1330	Fin Statement Analysis	3	
Econ 0281	Intro to Money & Banking	3	
Econ 1141	Economic Forecasting	3	
Econ 1151	Financial Economics	3	
Bus 1270	Financial Reporting	3	
Bus 1310	Investments	3	
Bus 1355	Financial Modeling	3	
Bus 1356	Capital Budgeting	3	

(RQL 1057-20)

Requirement Math/ Business		CR	Satisfied/Term
Math 1019	Tech Speaking in Math	3	
Math 1153	Intro to Probability Stats 1	3	
Math 1154	Intro to Pobability Stats 2	3	
Math 1163	Mathematics Seminar 1	1	
Math 1164	Mathematics Seminar 2	1	
Math 1181	Linear Algebra 1	3	
Math 1271	Ord Differential Equations	3	
Bus 0115	Accounting Principles	3	
Bus 0300	Principles of Finance	3	
Econ 0105	Intro to Microeconomics	3	
Econ 0115	Intro to Macroeconomics	3	

(RQL 1057-30)

CS Requirements		CR	Satisfied/Term
CS 0100	Persp in Comp Science	3	
CS 0410	Intro to CS Applications	1	
CS 0411	Intro to CS Programming	3	

FREE ELECTIVES

FREE ELECTIVES		
Free electives are the balance of credits required for		
graduation (120) that are not used to satisfy competencies,		
knowledge areas, major requirements, electives, or any		
related area required by the department.		

IMPORTANT INFORMATION:

This sheet is an unofficial representation of the major requirements and the information
is subject to change. It is not an official record of academic progress and should not be
treated as such. Official degree information can only be obtained through the Division
Office or the Office of the Registrar.

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