Bachelor of Science in Mathematics -- 120 Credits

Applied Track

JMATH-BS/JMAPPLIED (RG 389)

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 389)

(RQL 1055-10)

Required Mathematics Courses		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	
Math 1019	Technical Speaking in Math	3	
Math 1153	Intro Probability Stats 1	3	
Math 1154	Intro Probability Stats 2	3	
Math 1163	Mathematics Seminar	1	
Math 1181	Linear Algebra 1	3	
Math 1271	Ordinary Diff Equations 1	3	

(RQL 1055-10)

Required Comp Sci Courses	CR	Satisfied/Term
CS 0100 Perspectives in Comp Science	3	
CS 0410 Intro to CS Applications	1	
CS 0411 Intro to CS Programming	3	

(RQL 1056-10, 20, 30)

Math Electives			
Select one of the following courses		CR	Satisfied/Term
Math 1125	Abstract Algebra	3	
Math 1531	Advanced Calculus 1	3	
Math 1561	Complex Variables & Apps	3	
Math 1701	Intro to Topology	3	
Select one of the following courses		CR	Satisfied/Term
Math 1071	Numerical Math Analysis	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			
(Except Math 1035)			
Math		3	
Math		3	

Natural Science Minor Requirement 18 - 24 Cr		
Select from Biology, Chemistry, Computer		
Science, Geology, Physics, or Psychology		
Requirement Satisfied		

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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