

Academic Program Sequence Map

Program Degree Type and Name: **B.S. in Mathematics**

Catalog Year: **2019-2020**

Program Level: **Undergraduate**

Academic Term Type: **Semester**

** Denote core course with an asterisk and (cc) next to the course number*

Year and Term:		Credits Per Classification					
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	
Math 116: College Algebra	3	x			C or Higher		
Math 120: Intro Comp. & App Software	3	x				ENGL 109 or dept. approval	
English 111	3	x					
Gen Ed or ENGL 110	3	x					
CINQ 101	3	x					
Term Credit Total:		15	15				

Year and Term:		Credits Per Classification					
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	
Math 231: Foundations of Comp. 2	3		x		C or Higher	MATH/CISC 131 or dept approval	
Math 260: Calculus 1	4		x		C or Higher	Math 201	
Gen Ed	3	x					
Gen Ed	3	x					
Gen Ed	3	x					
Term Credit Total:		16	9	7			

Year and Term:		Credits Per Classification					
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	
Math 360: Calculus 3	4		x			Math 261	
Math 350: Probability Theory & App	3		x			Math 261	
Math 315: Linear Algebra	3		x			Math 260	
Open Elective	3			x			
JRSM 301	3	x				ENGL 112, SPCM 110,	
Term credit total:		16	3	10	3		

Year and Term:		Credits Per Classification					
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	
Open Elective	3			x			
Major Elective	3		x				
Major Elective	3		x				
Gen Ed	3	x					
Open Elective	3			x			
Term Credit Total:		15	3	6	6		

Year and Term:		Credits Per Classification					
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	
Math 201: Precalculus	3	x				Math 116 or B in hs algebra	
Math 131: Foundations of Comp. 1	3	x				CISC/Math 120 or dept	
ENGL 112	3	x					
COMM 110	3	x					
Gen Ed	3	x					
Term Credit Total:		15	15	0			

Year and Term:		Credits Per Classification					
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	
Math 261: Calculus 2	4		x		C or Higher	Math 260	
Math 244: Discrete Structures	3		x			Math 201	
Gen Ed	3	x					
Gen Ed	3	x					
Open Elective	3			x			
Term Credit Total:		16	6	7	3		

Year and Term:		Credits Per Classification					
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	
Math 351: Statistics: Theory & App	3		x			Math 261, Math 350 or dept. Approval	
Math 307: Number Theory	3		x			Math 261	
Gen Ed	3	x					
Gen Ed	3	x					
Open Elective	3			x			
Term Credit Total:		15	6	6	3		

Year and Term:		Credits Per Classification					
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	
Major Elective	3		x			Math 315, Math 350 or 360	
Math 365: Algebraic Structures	3		x			Math/CIS 315	
*Math 417: Mathematical Modeling (cc)	3		x			CISC/MATH 213, MATH 380/360	
Gen Ed	3	x					
Term Credit Total:		12	3	9			

Program Totals	Credits: 120	General Education: 60	Major & Major Elective: 45	Open Elective: 15
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Legend: CR: Credits GE: General Education Maj: Major / Major Elective OE: Open Elective SM: Success Marker Co/Prerequisite(s): List of co/ prerequisites for noted course