

Program Map, BA/BS Mathematics

Crs	Prps	Audience	Program Goals				Skills					General				
			PG1	PG2	PG3	PG4	Sk1	Sk2	SK3	SK4	SK5	R	FS	WI	O	FQ
100	S	General	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	I&A			I&A
111	S	Elem Edu	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	I			I
112	S	Elem Edu	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	I&A			I&A
134	M	STEM	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	I			I
140	M	STEM	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	I&A			I&A
161	S	Econ	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	I&A			I&A
190	M/S	STEM	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			n/a
203	S	Business	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	I&A			I&A
215	S	Life Sci	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	I			I&A
216	S	Life Sci	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	C			
241	M/S	STEM	I	n/a	n/a	n/a	n/a	n/a	n/a	n/a	I	I	n/a	I		I&A
241	M/S	STEM	C	n/a	n/a	n/a	n/a	n/a	n/a	n/a	C	C	n/a	C		
243	M/S	STEM	C	n/a	n/a	n/a	n/a	n/a	n/a	n/a	C	C	n/a	C		
244	M/S	STEM	C	n/a	n/a	n/a	n/a	n/a	n/a	n/a	C	C	n/a	C		
251	M/S	STEM/Hon	I	n/a	n/a	n/a	n/a	I	n/a	I	I	n/a	I			
252	M/S	STEM/Hon	C	n/a	n/a	n/a	n/a	C	n/a	C	C	n/a	C			
253	M/S	STEM/Hon	C	n/a	n/a	n/a	n/a	C	n/a	C	C	n/a	C			
257	M/S	Math/Sec Ed	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a				
301	S	STEM	n/a	n/a	I	n/a	n/a	n/a	n/a	I	n/a	n/a				
302	M/S	STEM	n/a	n/a	I	n/a	n/a	n/a	n/a	I	I	n/a				
303	M/S	STEM	n/a	n/a	C	n/a	n/a	n/a	n/a	C	C	n/a				
304	M/S	Maj/Life Sci	n/a	n/a	I	n/a	n/a	n/a	n/a	n/a	E	n/a				
305	M/S	Maj/Life Sci	n/a	n/a	C	n/a	n/a	n/a	n/a	n/a	E	n/a				
307	S	Eng	n/a	I	I	n/a	n/a	n/a	n/a	I	I	n/a				
311	M	Math	n/a	I	I	n/a	I&E&A	I&E&A	n/a	I	n/a	n/a			I	
321	M	Math	n/a	n/a	I	n/a	I&E&A	I&E&A	I	n/a	n/a	n/a			I&A	
331	M	Math	n/a	n/a	I	I&E	I&E&A	I&E&A	n/a	n/a	n/a	n/a				
351	M/S	SecEd	n/a	n/a	I	n/a	I&E	I&E	n/a	n/a	n/a	n/a			I	
352	M/S	SecEd	n/a	n/a	C	n/a	C&E	I&E	n/a	n/a	n/a	n/a			C	
371	M/S	STEM	n/a	n/a	I	n/a	n/a	n/a	n/a	I	I	n/a				
372	M/S	STEM	n/a	n/a	I	n/a	n/a	n/a	n/a	I	I	n/a				
373	M/S	STEM	n/a	n/a	C	n/a	n/a	n/a	n/a	C	C	n/a				
402	M/S	STEM	n/a	n/a	n/a	I&E&A	n/a	n/a	n/a	I	E	n/a				
403	M/S	STEM	n/a	n/a	n/a	C&E&A	n/a	n/a	n/a	C	E	n/a				
405	M/S	STEM	n/a	n/a	n/a	C&E&A	n/a	n/a	n/a	C	E	n/a				
407	M/S	Math/Eng	n/a	n/a	n/a	I&E&A	n/a	n/a	n/a	I	I	n/a				
408	M	Math	n/a	n/a	n/a	C&E&A	n/a	n/a	n/a	C	C	n/a				
411	M	Math	n/a	C&A	E	n/a	C&E	C&E&A	I	n/a	n/a	n/a				
412	M/S	Math/SecEd	n/a	n/a	n/a	I&E&A	C&E	C&E&A	I	n/a	n/a	n/a			C&A	
413	M	Math	n/a	n/a	n/a	C&E&A	C&E	C&E&A	C	n/a	n/a	n/a			C&A	
414	M/S	Math/Gen	n/a	n/a	n/a	I&E&A	n/a	n/a	n/a	I	I	n/a				
420	M	Math	n/a	n/a	E	n/a	C&E	C&E&A	I	n/a	n/a	n/a			C&A	
421	M	Math	n/a	n/a	E	n/a	C&E	C&E&A	I	n/a	n/a	n/a				
431	M	Math	n/a	n/a	n/a	I&E&A	C&E	C&E&A	I	n/a	n/a	n/a			C&A	
432	M	Math	n/a	n/a	n/a	C&E&A	C&E	C&E&A	C	n/a	n/a	n/a			C&A	
442	M/S	STEM	n/a	I	E	n/a	n/a	I	I	n/a	I	n/a				
443	M/S	STEM	n/a	n/a	E	n/a	C	I	I	n/a	I	n/a				
444	M/S	STEM	n/a	n/a	E	n/a	C	I	I	I	I	n/a				
454	M/S	Math/SecEd	n/a	n/a	n/a	I&E&A	C&E	C&E&A	I	n/a	n/a	n/a				
455	M	Math	n/a	n/a	n/a	C&E&A	C&E	C&E&A	C	n/a	n/a	n/a				
471	M/S	STEM	n/a	n/a	n/a	I&E&A	n/a	n/a	n/a	I	C	n/a				
472	M/S	STEM	n/a	n/a	n/a	C&E&A	n/a	n/a	n/a	C	C	n/a				
475	M	Math	n/a	n/a	E	n/a	C&E	I&E&A	I	n/a	n/a	n/a				
480	M	Math	n/a	n/a	n/a	n/a	C&E	n/a	C	n/a	n/a	I			I	
Explanations																
Column1	Course Number															
Column2	Math or Service															
PG1	Goal: Learn, understand, and be able to apply calculus in one and several variables															
PG2	Goal: Learn, understand, and be able to apply linear algebra and the theory of vector spaces															
PG3	Goal: Study and learn several mathematics topic at junior and senior level															
PG4	Goal Study and learn in-depth advanced topic (sequence)															
Sk1	Skill: Develop and write direct proofs, proofs by contradiction, and proofs by induction.															
SK2	Skill: Formulate definitions and give examples and counter examples.															
SK3	Skill: Read mathematics without supervision.															
Sk4	Skill: Follow and explain algorithms.															
Sk5	Apply mathematics to other fields.															
R	Learn about research.															
I	Introduced															
C	Continued															
E	Emphasized															
A	Assessed															