

# ACADEMIC MAP

## 2017-18 BS-MATHEMATICS EDUCATION

TOTAL 120 HRS

\*minimum grade required †offered every other year

### Freshman (Fall Semester) 17 hrs total

ENG 101	English Composition	3 credit hrs	Gen. Ed.
MAT 104	College Algebra	3 credit hrs	Gen Ed.
PSY 101	General Psychology	3 credit hrs	Gen. Ed.
	Lab Science	4 credit hrs	Gen. Ed.
FYS 100	First Year Seminar	1 credit hrs	Gen. Ed.
	Persp. on Society Elect.	3 credit hrs	Gen. Ed.

### Freshman (Spring Semester) 17 hrs total

ENG 102	English Composition	3 credit hrs	Gen. Ed.
MAT 105	Trigonometry	3 credit hrs	Major
CIS 205	Intro to Computers	3 credit hrs	Spec. Dgr
COM 101	Communication Studies	3 credit hrs	Gen. Ed.
	Pers. Devel. Course	2 credit hrs	Gen. Ed.
	General Elective	3 credit hrs	

### Sophomore (Fall Semester) 16 hrs total

	Literature Elective	3 credit hrs	Gen. Ed.
MAT 251	Calculus I	3 credit hrs	Major
	Lab Science	4 credit hrs	Gen. Ed.
MAT 300	App. Prob. and Stat. Met.	3 credit hrs	Major
	General Elective	3 credit hrs	

### Sophomore (Spring Semester) 16 hrs total

ENG 303	Technical Writing	3 credit hrs	Spec. Dgr
MAT 252	Calculus II	3 credit hrs	Major
MAT 305	Foundations of Math	3 credit hrs	Major
MAT 215	Mathematics Technology	1 credit hrs	Major
	History Elective	3 credit hrs	Gen. Ed.
CSP 340	Sur. of Exceptional Child	3 credit hrs	Spec. Dgr

### Junior (Fall Semester) 15 hrs total

MAT 253	Calculus III	3 credit hrs	Major
MAT 411	Geometry	3 credit hrs	Major
MAT 442	Linear Algebra	3 credit hrs	Major
CUR 300	Sur. of Edu. with Field Exp.	3 credit hrs	Pro. Ed.
	Humanities Elective	3 credit hrs	Gen. Ed.
	Core Writing Exam	0 credit hrs	

### Junior (Spring Semester) 15 hrs total

MAT 231	Geometry, Measurement and Probability	3 credit hrs	Spec. Dgr
MAT 254	Calculus IV	3 credit hrs	Major
MAT 415	Discrete Mathematics	3 credit hrs	Major
MAT 405	History of Mathematics	3 credit hrs	Major
	Fine Arts Elective	3 credit hrs	Gen. Ed.

### Senior (Fall Semester) 13 hrs total

CUR 487	Teach. Secondary Math	3 credit hrs	Prof. Ed.
CUR 393	Classroom Management	3 credit hrs	Prof. Ed.
EPY 341	Educational Psychology	3 credit hrs	Spec. Dgr
HSE 144	First Aid and CPR	1 credit hrs	Spec. Dgr
	Math Elect. 300 or Above	3 credit hrs	Major

### Senior (Spring Semester) 11 hrs total

CUR 498	Directed Teaching	9 credit hrs	Pro. Ed.
	General Elective	2 credit hrs	

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## Additional Notes

- ▶ At least 2.5 gpa in upper-level mathematics courses
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- ▶ Score of at least 160 on Praxis subject area test (test code 5161)