

ACADEMIC MAP

2017-18 BS-MATHEMATICS

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.
	Science Elective	4 credit hrs	Gen Ed.
MAT 104	College Algebra	3 credit hrs	Gen Ed.
	Humanities Elective	3 credit hrs	Gen. Ed.
CIS 205	Microcomputer App.	3 credit hrs	Gen. Ed.
FYS 100	First Year Seminar	1 credit hrs	Gen. Ed.

Freshman (Spring Semester) 15 hrs total

ENG 102	English Composition	3 credit hrs	Gen. Ed.
MAT 105	Trigonometry	3 credit hrs	Major
MAT 210	Pers. Devel. Course	2 credit hrs	Gen. Ed.
	Science Elective	4 credit hrs	Gen. Ed.
	History Elective	3 credit hrs	Gen. Ed.

Sophomore (Fall Semester) 15 hrs total

	Literature Elective	3 credit hrs	Gen. Ed.
MAT 210	Comp. Prog. Fund.	3 credit hrs	Major
MAT 251	Calculus I	3 credit hrs	Major
	Fine Arts Elective	3 credit hrs	Gen. Ed.
COM 101	Comm. Studies	3 credit hrs	Gen. Ed.

Sophomore (Spring Semester) 12 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
	Pers. on Soc. Elect.	3 credit hrs	Gen. Ed.

Junior (Fall Semester) 17 hrs total

MAT 253	Calculus III	3 credit hrs	Major
MAT 442	Linear Algebra	3 credit hrs	Major
PHY 231	General Physics I	3 credit hrs	Spec. Dgr
PHY 235	General Physics Lab I	1 credit hrs	Spec. Dgr
	Foreign Language	3 credit hrs	Spec. Dgr
	Pers. on Soc. Elect.	3 credit hrs	Gen. Ed.
ENG 300	Exposition	1 credit hrs	Spec. Dgr

Junior (Spring Semester) 16 hrs total

MAT 254	Calculus IV	3 credit hrs	Major
MAT 322	Differential Equations	3 credit hrs	Major
PHY 232	General Physics II	3 credit hrs	Spec. Dgr
PHY 236	General Physics Lab II	1 credit hrs	Spec. Dgr
	Foreign Language	3 credit hrs	Spec. Dgr
MAT 254	Discrete Mathematics	3 credit hrs	Major

Senior (Fall Semester) 15 hrs total

MAT 411	Geometry	3 credit hrs	Major
MAT 443	Number Theory	3 credit hrs	Major
	Electives at 300+ level	9 credit hrs	

Senior (Spring Semester) 13 hrs total

MAT 490	Senior Seminar in Math	3 credit hrs	Major
MAT 425	Modern Algebra	3 credit hrs	Major
	Electives at 300+ level	3 credit hrs	
	General Electives	4 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)