

2020-21 ACADEMIC MAP

BS - Mathematics

TOTAL HRS: 120



Academic map is a guide to help students stay on track to degree completion. Consult undergraduate catalog and academic advisor for other requirements.

* minimum grade required

	FALL SEMESTER						SPRING SEMESTER					
	PREFIX	COURSE	CREDIT	AREA	GR*	SEM/GR	PREFIX	COURSE	CREDIT	AREA	GR*	SEM/GR
YEAR 1-Freshman	ENG 101	Composition I	3	Gen Ed			ENG 102	Composition II	3	Gen Ed		
		Lab Science	4	Gen Ed			MAT 252	Calculus II	3	Major		
	MAT 251	Calculus I	3	Major				Perspectives on Society	3	Gen Ed		
	CIS 205	Microcomputer Apps	3	Gen Ed				Lab Science	4	Gen Ed		
		General Elective	1	Electives				Fine Arts	3	Gen Ed		
	FYS 100/300 ¹	First Year Seminar	1	Univ Req					16			
			15									
YEAR 2-Sophomore	ENG 200 Level	Literature	3	Gen Ed				Humanities & Fine Arts	3	Gen Ed		
	MAT 210	Computer Prog Fund	3	Major			MAT 254	Calculus IV	3	Major		
	MAT 253	Calculus III	3	Major			MAT 305	Foundations of Math	3	Major		
	HIS 100/200	History	3	Gen Ed				General Elective	3	Electives		
	COM 101/202	Communication Studies	3	Gen Ed				Perspectives on Society	3	Gen Ed		
			15						15			
YEAR 3-Junior	MAT 442	Linear Algebra	3	Major			MAT 300+ Level	Math Elective	3	Major		
	PHY 231	General Physics I	3	Spec Dgr			PHY 232	General Physics II	3	Spec Dgr		
	PHY 235	General Physics I Lab	1	Spec Dgr			PHY 236	General Physics II Lab	1	Spec Dgr		
		Foreign Language	3	Spec Dgr				Foreign Language	3	Spec Dgr		
		General Elective	4	Electives				General Elective	5	Electives		
			14						15			
YEAR 4-Senior	MAT 300+ Level	Math Electives	6	Major			MAT 490	Senior Seminar in Math	3	Major		
		General Elective	3	Electives			MAT 425	Modern Algebra	3	Major		
		General Elective	3	Electives			MAT 300+ Level	Math Elective	3	Major		
		General Elective	3	Electives				General Electives	6	Electives		
			15						15			

- ¹All incoming students required to enroll in FYS 100 (freshmen) or FYS 300 (transfers).
- MAT 104 College Algebra requires a math ACT sub-score of 20 or higher. 19 or below will place a student in co-requisite remediation.
- MAT 105 Trigonometry: Pre-requisite MAT 104 College Algebra **OR** ACT Math sub-score of 23.
- MAT 251 Calculus I: Pre-requisite MAT 104 College Algebra and MAT 105 Trigonometry **OR** ACT Math sub-score of 24 or higher.
- PHY 231/235 General Physics I/Lab and PHY 232/236 General Physics II/lab offered every other year.
- At least 2.5 GPA in upper-level mathematics courses.
- At least 2.5 GPA in upper-level mathematics courses completed at DSU.