2020-21 ACADEMIC MAP

BS - Mathematics -Pre Engineering

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

DELTA STATE UNIVERSITY

FALL SEMESTER						SPRING SEMESTER					
PREFIX	COURSE	CREDIT	AREA	GR*	SEM/GR	PREFIX	COURSE	CREDIT	AREA	GR*	SEM/GR
ENG 101	Composition I	3	Gen Ed			ENG 102	Composition II	3	Gen Ed		
CHE 101/103	Gen Chem I and Lab	4	Gen Ed	С		CHE 102/104	Gen Chem II and Lab	4	Gen Ed	С	
CHE 101/103 MAT 251 CIS 205	Calculus I	3	Major	С		MAT 252	Calculus II	3	Major	С	
	Microcomputer Apps	3	Gen Ed			MAT 210	Computer Prog Fund	3	Major	С	
	General Elective	1	Electives				Fine Arts	3	Gen Ed		
FYS 100/300 ¹	First Year Seminar	1	Univ Req					16	-		
		15	_								
	General Elective	4	Electives				Humanities & Fine Arts	3	Gen Ed		
PHY 231 PHY 235 MAT 253	General Physics I	3	Spec Dgr	С		PHY 232	General Physics II	3	Spec Dgr	С	
PHY 235	General Physics Lab I	1	Spec Dgr	С		PHY 236	General Physics Lab II	1	Spec Dgr	С	
MAT 253	Calculus III	3	Major	С		MAT 254	Calculus IV	3	Major	С	
COM ² Elective	Communication Studies	3	Gen Ed			MAT 305	Foundations of Math	3	Major	С	
		14	=				General Electives	3	Electives		
								16	_		
MAT 300	Statistics	3	Major	С		MAT 322	Differential Equations	3	Major	С	
MAT 442	Linear Algebra	3	Major	С			Perspectives on Society	3	Gen Ed		
PHY 371	Thermodynamics	4	Electives	С			Foreign Language	3	Spec Dgr		
	Foreign Language	3	Spec Dgr				General Elective	5	Electives		
ENG 200 Level	Literature	3	Gen Ed					14	_		
		16	_								
MAT 300+ Level HIS 100/200	Math Electives	6	Major	С		MAT 490	Senior Seminar in Math	3	Major	С	
HIS 100/200 	History	3	Gen Ed			MAT 425	Modern Algebra	3	Major	С	
	Perspectives on Society	3	Gen Ed			MAT 300+ Level	Math Elective	3	Major	С	
	General Elective	3	Electives				General Electives	5	Electives		
		15						14			

^{- &}lt;sup>1</sup>All incoming students required to enroll in FYS 100 (freshmen), FYS 103 (honors), or FYS 300 (transfers).

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^{- &}lt;sup>2</sup>COM 101, 102, or 202

⁻ Additional notes on back of page

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Additional Notes:

- 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.
- Electrical Engineering General Electives: CHE 372.
- Chemical/Petroleum Engineering General Electives: CHE 319, 320, 321, 322, and 432.
- Environmental Engineering General Electives: Choose from GIS 200, 202, 241, 251, 391; and BIO 100, 101, 123, 301, 309, 416.
- Biomedical Engineering General Electives: Choose from BIO 100, 101, 300, 319, 328, 349, 350, 442; and CHE 319, 320, 321, 322, 440, 441, 443.
- At least 2.5 GPA in upper-level mathematics courses.
- At least 2.5 GPA in upper-level mathematics courses completed at DSU.