2023-24 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.

DELTA STATE UNIVERSITY

* minimum grade required

FALL SEMESTER						SPRING SEMESTER					
PREFIX	COURSE	CREDIT	AREA	GR*	SEM/GR	PREFIX	COURSE	CREDIT	AREA	GR*	SEM/G
ENG 101	Composition I	3	Gen Ed			ENG 102	Composition II	3	Gen Ed		
MAT 251	Calculus I	3	Gen Ed	С		MAT 252	Calculus II	3	Major	С	
MAT 251 CHE 101/103	Gen Chem I and Lab	4	Gen Ed	С		CHE 102/104	Gen Chem II and Lab	4	Gen Ed	С	
CIS 205	Microcomputer Apps	3	Gen Ed				General Elective	3	Electives		
	General Elective	1	Electives				Lab Science	3	Electives		
FYS 100/300 ¹	First Year Seminar	1	Univ Req				Fine Arts	3	Gen Ed		
		15	_					19	_		
ENG 200 Level	Literature	3	Gen Ed			MAT 254	Calculus IV	3	Major	С	
MAT 253	Calculus III	3	Major	С		MAT 305	Foundations of Math	3	Major	С	
MAT 300	Statistics	3	Major	С			Humanities & Fine Arts	3	Gen Ed		
COM 101/202 	Communication Studies	3	Gen Ed			MAT 210	Computer Prog Fund	3	Major	С	
	General Elective	4	Electives				General Electives	3	Electives		
		16						15			
MAT 442	Linear Algebra	3	Major	С		MAT 322	Differential Equations	3	Major	С	
PHY 231	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	
	Foreign Language	3	Spec Dgr				Perspectives on Society	3	Gen Ed		
	General Elective	4	Electives				Foreign Language	3	Spec Dgr		
		14	_				General Elective	1	Electives		
								14	_		
MAT 300+ Level	Math Electives	6	Major	С		MAT 490	Senior Seminar in Math	1	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	
PHY 371	Thermodynamics	4	Electives	С			General Electives	8	Electives		
		16	=					15	=		

- ¹All incoming students required to enroll in FYS 100 (freshmen), FYS 103 (honors), or FYS 300 (transfers).
- 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 2.0 GPA in upper-level mathematics courses.