



Academic Division: **Engineering, Design & Architecture**

Department: **Engineering**

Effective: **August 2024**

CURRICULUM

General Education Component - 15 credits

Course	Credits	Title	Requisites
SPGS 152*	3	Fundamentals of Reading and Writing	
ENGS 152*	3	Fundamentals of Speaking, Reading and Writing English I	
MATH 121+	3	Introductory Algebra	Placement test or MAGS 120
HUGS 101 or SOGS 201	3	World Culture I or Human Being and Social Consciousness	
INGS 202	3	Introduction to Research and Information Literacy	SPGS 152

Core Component - 23 credits

Course	Credits	Title	Requisites
ENGI 201-	3	Wiring, Connectors & Harness	ENGI 200
MATH 151+	4	Precalculus I	MATH 121 or minimum of 600 points in CEEB and placement test
MATH 152+	4	Precalculus II	MATH 151
ENGI 200	3	Technology, Engineering, and Industrial Development	
ENGI 164-	3	Computer Aided Engineering Design	Pre req. ENGI 200 Co req. MATH 151
ENGI 250	3	Engineering Economics	MATH 151
PHSC 228+ ⁶	3	Engineering and Aeronautical Physics	MATH 152

Major Component - 21 credits

Course	Credits	Title	Requisites
EETE 220	3	Introduction to DC/AC Circuits	MATH 121 Co-req. EETE 220L
EETE 220L	1	Introduction to DC/AC Circuits Laboratory	Co-req. EETE 220
EETE 221-	3	Introduction to Electronics	EETE 220 or EETP 302 or BUAS 230
AETP 202-	3	Aircraft Digital Electronics	Co Req. EETE 220
AETP 203-	3	Aircraft Communication Systems	AETP 202
AETP 204-	3	Aircraft Navigation Systems	AETP 202 or BUAS 230
AETP 207	1	FCC License Review	Director Approval
AETP 206-	3	Fundamentals Pulse and Radar System	AETP 203
ETAP 300	1	Engineering Technology Application Project	Director Approval

**PRELIMINARY ACADEMIC EVALUATION
SUBJECT TO CHANGE**

Credits' Total:

_____ Approved
_____ Remaining

Student's Signature: _____ Date: _____

Academic Counselor's Signature: _____
Date: _____



CURRICULAR SEQUENCE

First Year

First Semester				Second Semester			
Course	Credits	Approved	In Progress	Course	Credits	Approved	In Progress
SPGS 152*	3			ENGI 164-	3		
ENGS 152*	3			MATH 151+	4		
MATH 121+	3			EETE 220	3		
ENGI 200	3			EETE 220L	1		
SOGS 201 or HUGS 101	3			AETP 202-	3		
Total	15			Total	14		

Second Year

First Semester				Second Semester			
Course	Credits	Approved	In Progress	Course	Credits	Approved	In Progress
MATH 152+	4			AETP 204-	3		
INGS 202	3			ENGI 250	3		
AETP 203-	3			AETP 206-	3		
EETE 221-	3			PHSC 228- ⁶	3		
ENGI 201-	3			AETP 207	1		
				ETAP 300	1		
Total	16			Total	14		

Notes:

- * All students will be enrolled according to the results of the placement test or the College Board.
- + Course with laboratory
- Classroom-lab course
- New students, without previous university experience, are required to take the Student Induction and Leadership Seminar (SIGS 100) and it will be offered the week before classes begin. Late registration students must complete this seminar during the academic semester.
- The minimum passing grade for core and major courses component is C.
- For students interested in continuing studies at the bachelor's degree level, it is recommended to take the PHSC 215 Physics for Engineers I instead of PHSC 228 Engineering and Aeronautical Physics.
- Subject to change.