

Note: Arranging for Summer Session(s) is recommended to readjust and mitigate the course load during regular semesters

Semester	Program Areas	Courses' Sequence	Total of SCH
Semester 1 (Freshman)			
	Area 1:a) Mathematics Requirements(15 SCH)		3
		MTH 1303 Calculus I: Differential and Integral Calculus	3
	Area 2: General Engineering Core and Elective requirements (54 SCH)		4
		CSC 1402 Computer Programming for Engineers	4
	Area 4: General Education (GenEd) Program (30 SCH)		6
		Arabic: ARA 1201, ARA 1202, ARA 1203, ARA 3299, ARB 1201, ARB 1202, ARB 1203, ARB 1241 (1)	2
		ENG 1301 English Composition I	3
		FAS 0210* (0 SCH)Foundations for Academic Success: Strategic Academic Skills	0
		FYE 1101 First Year Experience	1
Semester 2 (Freshman)			
	Area 1:a) Mathematics Requirements(15 SCH)		3
		MTH 2301 Multivariable Calculus	3
	Area 1:b) Basic Sciences Requirements (15 SCH)		4
		PHY 1401 Physics I	4
	Area 2: General Engineering Core and Elective requirements (54 SCH)		3
		CSC 2309^ Data Analysis (with Python)	3
	Area 4: General Education (GenEd) Program (30 SCH)		6
		COM 1301 Public Speaking	3
		FAS 1220 Foundations for Academic Success: Introduction to Critical Thinking	2
		FYE 1102 First Year Experience	1
Semester 3 (Sophomore)			
	Area 1:a) Mathematics Requirements(15 SCH)		6
		MTH 2320 Linear Algebra	3
		MTH 3301 Probability and Statistics for Engineers	3
	Area 1:b) Basic Sciences Requirements (15 SCH)		4
		PHY 1402 Physics II	4
	Area 2: General Engineering Core and Elective requirements (54 SCH)		5
		EGR 2201 Introduction to Engineering and Design	2
		EGR 2301 Statics	3
	Area 4: General Education (GenEd) Program (30 SCH)		3
		ENG 2303 Technical Writing	3
Semester 4 (Sophomore)			
	Area 1:a) Mathematics Requirements(15 SCH)		3
		MTH 2304 Differential Equations	3
	Area 1:b) Basic Sciences Requirements (15 SCH)		4
		CHE 1401 Chemistry I	4
	Area 2: General Engineering Core and Elective requirements (54 SCH)		5
		EGR 2210 Computer Aided Engineering	2
		EGR 3331Digital Design	3
	Area 4: General Education (GenEd) Program (30 SCH)		3
		Humanities: HUM 2305, HUM 2306, HUM 2307, LIT 2301, PHI 2301, PHI 2302	3
Semester 5 (Junior)			
	Area 1:b) Basic Sciences Requirements (15 SCH)		3
		CHE 1302 Chemistry II	3
	Area 2: General Engineering Core and Elective requirements (54 SCH)		10
		EGR 2302 Engineering Economics	3
		EGR 2311 Dynamics	3
		EGR 2402 Electric Circuits	4
	Area 4: General Education (GenEd) Program (30 SCH)		2
		French: FRN 3210 (2)	2
	Free Electives(6 SCH)		3
		Free Elective(3 SCH)	3
Semester 6 (Junior)			
	Area 2: General Engineering Core and Elective requirements (54 SCH)		9
		EGR 3302 Thermodynamics	3
		EGR 3304 Materials Science	3
		EGR 3305 Signals & Systems	3
	Area 3: Renewable Energy Major(15 SCH)		6
		Renewable Energy Elective I (3 SCH)	3
		RES 4315 Energy Management	3
	Area 4: General Education (GenEd) Program (30 SCH)		3
		Art Appreciation & Creation*** : ART 1301, ART 1302, ART 1303, ART 1304, ART 1305, ART 3399, ENG 2320, HUM 2301, COM 2327***, LIT 3370***	3

Semester 7 (Senior)		21
	Area 2: General Engineering Core and Elective requirements (54 SCH)	9
	EGR 3301 Fluid Mechanics	3
	EGR 3306 Engineering Instrumentation & Mechatronics	3
	Engineering Elective (3 SCH)	3
	Area 3: Renewable Energy Major(15 SCH)	6
	Renewable Energy Elective II (3 SCH)	3
	RES 4323 Energy Distribution Systems	3
	Area 4: General Education (GenEd) Program (30 SCH)	3
	History or Political Science: HIS 1301, HIS 2301, HUM 1310, HUM 2302, PSC 2301	3
	Free Electives(6 SCH)	3
	Free Elective(3 SCH)	3
Semester 8 (Senior)		16
	Area 2: General Engineering Core and Elective requirements (54 SCH)	9
	EGR 4300 Internship	3
	EGR 4402 Capstone Design	4
	Engineering Elective (2 SCH)	2
	Area 3: Renewable Energy Major(15 SCH)	3
	RES 4325 Renewable Energy Technologies	3
	Area 4: General Education (GenEd) Program (30 SCH)	4
	Civic Engagement: XXX ****SL (3) or SLP 1101(4)	1
	Social Sciences: ECO 1300**, GEO 1301, PSY 1301, SOC 1301, SSC 1310	3
SCH Total		135