




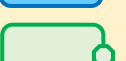



FRESHMAN YEAR	18 hrs.	CHEM 101 General Chemistry (4)	ENGL 101 Intro. to Acad. Discourse (3)	MATH 101 Calculus I (4)	PHYS 101 General Physics I (4)	IAS 121 Language Foundation (2)	PE 101 Physical Edu. I (1)	Total Credit Hours: 128 NAME: _____ ID No.: _____	
	16 hrs.	ENGL 102 Intro. to Report Writing (3)	ICS 104 Intro. to Prog. In Python & C (3)	MATH 102 Calculus II (4)	PHYS 102 General Physics II (4)	IAS 111 Belief & its Consequences (2)			
		ENGL 101		MATH 101	PHYS 101				
SOPHOMORE YEAR	19 hrs.	CE 202 Statics & Strength of Materials (3)	ENGL 214 Academic and Professional Communication (3)	MATH 201 Calculus III (3)	ME 203 Thermodynamics I (3)	ME 210 ME Drawing & Graphics (3)	ME 216 Materials Science & Eng. (3)	ME 217 Material Sci. & Eng. Lab (1)	KEY  Pre-Requisites  Co-Requisites  Credit Hours  General Education Requirements  Core Requirements  Elective Requirements  Technical Training
		PHYS 101	ENGL 102	MATH 102	MATH 102, PHYS 102		CHEM 101, MATH 102		
18 hrs.	EE 234 EE Principles & Applications (3)	EE 235 EE Principles & Applications Lab (1)	ISE 291 Intro. to Data Science (3)	MATH 202 Elements of Differential Equations (3)	ME 201 Dynamics (3)	ME 204 Thermodynamics II (3)	ME 218 Intro. to ME Design (2)		
	MATH 102, PHYS 102		ICS 104, MATH 102	MATH 102	CE 202	ME 203	ME 210, PHYS 102		
JUNIOR YEAR	18 hrs.	COE 292 Intro. to Artificial Intelligence (3)	IAS 212 Professional Ethics (2)	STAT 319 Prob. & Stat. for Engineers (3)	ME 301 Machine Design I (3)	ME 311 Fluid Mechanics (3)	ME 322 Manufacturing Processes (3)	ME 323 Manufacturing Lab (1)	
		ISE 291	IAS 111	MATH 102	CE 202, ME 218	MATH 201, ME 201, ME 203	ME 210, ME 216, ME 217		
17 hrs.	BUS 200 Business & Entrepreneurship (3)	CGS 392 Career Essentials (1)	IAS XXX Islamic/Arabic Elective (2)	MATH 371 Intro. to Numerical Methods (3)	ME 302 Machine Design II (3)	ME 303 Mechanical System Design Lab (1)	ME 315 Heat Transfer (3)	ME 316 Thermo-Fluids Lab (1)	
			IAS 212	Math 201	ME 301		ME 204, ME 311		
SENIOR YEAR	6 hrs.	ME 398 Internship Training (6)	ME 411 Senior Design Project I (0)						
		BUS 200, ENGL 214, ME 301, ME 315							
16 hrs.	GS XXX General Studies Elective (3)	ME 401 System Dynamics & Control (3)	ME 402 Measurements & Control Lab (1)	ME 412 Senior Design Project (3)	ME 4XX ME Elective I (3)	ME 4XX ME Elective II (3)			
		EE 234, EE 235, MATH 202, ME 315		ME 398, ME 411					

Degree Plan Chart for Applied Mechanical Engineering (New-AME) Revised 29 October, 2020