

B.S. in Applied Mechanical Engineering (AME)

Four-year Academic Plan

10-Sep-20



جامعة الملك فهد للبترول والمعادن
King Fahd University of Petroleum & Minerals

Freshman Year															
Course	Type	Title	LT	LB	Cr	Course	Type	Title	LT	LB	Cr				
CHEM 101	MS	General Chemistry	3	4	4	ENGL 102	GS	Introduction to report writing	3	0	3				
ENGL 101	GS	Intro. Academic Discourse	3	0	3	IAS 111	GS	Belief & Its Consequences	2	0	2				
IAS 121	GS	Language Foundation	2	0	2	ICS 104	DF	Intro. to Programm. In Python & C	2	3	3				
MATH 101	MS	Calculus I	4	0	4	MATH 102	MS	Calculus II	4	0	4				
PE 101	GS	Health and Physical Education I	0	2	1	PHYS 102	MS	General Physics II	3	3	4				
PHYS 101	MS	General Physics I	3	3	4										
					Total	15	9	18				Total	14	6	16
Sophomore Year															
Course	Type	Title	LT	LB	Cr	Course	Type	Title	LT	LB	Cr				
CE 202	CE	Statics & Strength of Materials	3	0	3	EE 234	CE	EE Principles and Applications	3	0	3				
ENGL 214	GS	Academic & Professional Writing	3	0	3	EE 235	CE	EE Principles and Applications Lab	0	3	1				
MATH 201	MS	Calculus III	3	0	3	ISE 291	DF	Introduction to Data Science	3	0	3				
ME 203	CR	Thermodynamics I	3	0	3	MATH 202	MS	Elem. Diff. Equations	3	0	3				
ME 210	CR	ME Drawing & Graphics	2	3	3	ME 201	CR	Dynamics	3	0	3				
ME 216	CR	Materials Science and Eng.	3	0	3	ME 204	CR	Thermodynamics II	3	0	3				
ME 217	CR	Mat. Sci. and Eng. Lab	0	3	1	ME 218	CR	Intro. ME Design	1	3	2				
					Total	17	6	19				Total	16	6	18
Junior Year															
Course	Type	Title	LT	LB	Cr	Course	Type	Title	LT	LB	Cr				
COE 292	DF	Intro. to Artificial Intelligence	3	0	3	BUS 200	DF	Business & Entrepreneurship	3	0	3				
IAS 212	GS	Professional Ethics	2	0	2	CGS 392	GS	Career Essentials	0	2	1				
STAT 319	MS	Prob. & Stat. for Engineers	2	3	3	IAS xxx	GS	Islamic/Arabic Elective	2	0	2				
ME 301	CR	Machine Design I	3	0	3	MATH 371	MS	Intro. Numerical Methods	3	0	3				
ME 311	CR	Fluid Mechanics	3	0	3	ME 302	CR	Machine Design II	3	0	3				
ME 322	CR	Manufacturing Processes	3	0	3	ME 303	CR	Mechanical System Design Lab	0	3	1				
ME 323	CR	Manufacturing Lab	0	3	1	ME 315	CR	Heat Transfer	3	0	3				
					Total	16	6	18				Total	14	8	17
Senior Year															
Course	Type	Title	LT	LB	Cr	Course	Type	Title	LT	LB	Cr				
ME 398	CR	Internship Training	0	0	6	GS xxx	GS	GS Elective	3	0	3				
					Total	0	0	6				Total	12	12	16
										Total Credit Hours		128			