

B.S. in Mechanical Engineering (ME)

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. to Academic Discourse	3	0	3	IAS 111	GS	Belief & Its Consequences	2	0	2
IAS 121	GS	Langue 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						Total					
15						14					
9						6					
18						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	ENGL 214	GS	Academic & Professional Comn.	3	0	3
MATH 201	MS	Calculus III	3	0	3	ISE 291	DF	Intro. 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						Total					
14						16					
6						3					
16						17					

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
EE 234	CE	EE Principles and Applications	3	0	3	CGS 392	GS	Career Essentials	0	2	1
EE 235	CE	EE Principles and Applications Lab	0	3	1	IAS 212	GS	Professional Ethics	2	0	2
ME 301	CR	Machine Design I	3	0	3	STAT 319	MS	Prob.& Stat. for Engineers	2	3	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
						ME 316	CR	Thermo-fluid Lab	0	3	1
Total						Total					
15						13					
6						11					
17						17					

Summer Training

ME 399	CR	Summer Training	0	0	0
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Senior Year

Course	Type	Title	LT	LB	Cr	Course	Type	Title	LT	LB	Cr
MATH 371	MS	Intro. Numerical Methods	3	0	3	GS xxx	GS	GS Elective	3	0	3
ME 401	CR	System Dynamics & Control	3	0	3	IAS xxx	GS	Islamic/Arabic Elective	2	0	2
ME 402	CR	Measurements & Control Lab	0	3	1	ME 412	CR	Senior Design Project II	0	6	2
ME 411	CR	Senior Design Project I	1	0	1	ME 4xx	CE	ME Elective III	3	0	3
ME 4xx	CE	ME Elective I	3	0	3	XE xxx	TE	Technical Elective	3	0	3
ME 4xx	CE	ME Elective II	3	0	3						
Total						Total					
13						11					
3						6					
14						13					

Total Credit Hours 128