

## Mechanical Engineering Study Plan (139 Credit Hours)

FRESHMAN PROGRAM					
FIRST SEMESTER			SECOND SEMESTER		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
COMM 1311	Written Communication	3	COMM 1312	Writing and Research	3
ALIS 1211	Arabic / Islamic Studies	2	ALIS 1212	Arabic / Islamic Studies	2
	Physical Education	1		Physical Education	1
UNIV 1211	Prof. Development and Competencies	2	UNIV 1212	Critical Thinking and Problem Solving	2
MATH 1422	Calculus I	4	MATH 1423	Calculus II	4
CHEM 1421	Chemistry for Engineers I	4	PHYS 1421	Physics for Engineers I	4
GEEN 1211	Introduction To Engineering	2		Social Science Elective*	3
	<b>Total</b>	<b>18</b>		<b>Total</b>	<b>19</b>
SOPHOMORE PROGRAM					
FIRST SEMESTER			SECOND SEMESTER		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
COMM 2311	Oral Communication	3	COMM 2312	Technical and Professional Communications	3
	Arabic / Islamic Studies	2		Arabic / Islamic Studies	2
UNIV 1213	Leadership and Teamwork	2	GEEN 2313	Thermodynamics I	3
ASSE 2111	Learning Outcome Assessment I	1	GEEN 2312	Introduction to Computing	3
MATH 1324	Calculus III	3	MATH 2332	Differential Equations	3
PHYS 1422	Physics for Engineers II	4	MEEN 2312	Statics and Dynamics II	3
GEEN 2311	Statics and Dynamics I	3	MEEN 2211	Materials Engineering	2
	<b>Total</b>	<b>18</b>		<b>Total</b>	<b>19</b>
JUNIOR PROGRAM					
FIRST SEMESTER			SECOND SEMESTER		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
MEEN 2313	Mechanics of Solids	3	MEEN 3394	Computer Aided Design	3
MEEN 3211	Intro to Manufacturing Systems	2	MEEN 3212	Manufacturing Methods in Design	2
MEEN 3322	Thermodynamics II	3	ASSE 3211	Learning Outcome Assessment II	2
GEEN 3311	Introduction to Fluid Mechanics	3	GEEN 2314	Circuits I	3
MEEN 3391	Mechanical Engineering Design I	3	MEEN 3333	Heat Transfer	3
MEEN 3332	Computational Methods	3	MEEN 3392	Mechanical Engineering Design II	3
	<b>Total</b>	<b>17</b>		<b>Total</b>	<b>16</b>
<b>SUMMER SEMESTER - JUNIOR YEAR: MEEN 3301: Internship (3 Credit Hours) – Total: 3.</b>					
SENIOR PROGRAM					
FIRST SEMESTER			SECOND SEMESTER		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
			ASSE 4311	Learning Assessment III (ME Design IV)	3
MEEN 3393	Mechanical Engineering Design III	3	MEEN 4302	Mechanical Engineering Lab II	3
MEEN 4301	Mechanical Engineering Lab I	3	MEEN 4311	Principles of HVAC	3
GEEN 3211	Engineering Economy	2		MEEN Elective**	3
MEEN 4322	Power Generation	3		Social Science Elective*	3
	MEEN Elective**	3			
	<b>Total</b>	<b>14</b>		<b>Total</b>	<b>15</b>