

Mechanical Engineering Curriculum, starting 2017-2018

First Year - Fall			First Year - Spring		
Course	Description	Credits	Course	Description	Credits
EGG101	Introduction to Engineering	2	MEEG102	Computer-Aided Engineering Design	3
CHEM103	General Chemistry*	4	MEEG104	Analysis & Communication of Technical Information	2
CISC106	General Comp Science for Engineers	3	PHYS207	Physics I*	4
MATH241	Calculus A	4	MATH242	Calculus B	4
ENGL110	Critical Reading & Writing*	3	Breadth 1*		3
16			16		
Note: CHEM107 can be taken instead of CHEM103; *can be switched with appropriate course in the other semester.					

Second Year - Fall			Second Year - Spring		
Course	Description	Credits	Course	Description	Credits
MEEG210	Statics	3	MEEG211	Dynamics	3
MEEG241	Thermodynamics	3	MEEG215	Mechanics of Solids	3
MATH243	Calculus C	4	MEEG216	Mechanics of Solids Lab	1
MATH351	Engineering Math I	3	MSEG302	Materials Science for Engineers	3
PHYS245	Intro to Electricity & Electronics	4	MATH352	Engineering Math II	3
			MATH353	Engineering Math III	3
17			16		

Third Year - Fall			Third Year - Spring		
Course	Description	Credits	Course	Description	Credits
MEEG301	Machine Design-Kinematics and Kinetics	3	MEEG304	Machine Design-Elements	3
MEEG311	Vibration and Controls	3	MEEG332	Fluid Mechanics II	3
MEEG312	Vibration and Controls Lab	1	MEEG342	Heat Transfer	3
MEEG321	Materials Engineering	3	MEEG346	Thermal Design Lab	1
MEEG331	Fluid Mechanics I	3		Technical Elective I (science)	3
MEEG333	Fluid Mechanics I Lab	1		Breadth 3	3
	Breadth 2	3			
17			16		

Fourth Year - Fall			Fourth Year - Spring		
Course	Description	Credits	Course	Description	Credits
MEEG401	Senior Design (or MEEG402 - FSAE)	6		Technical Elective 4	3
	Technical Elective 2	3		Technical Elective 5	3
	Technical Elective 3	3		Breadth 5	3
	Breadth 4	3		Breadth 6	3
15			12		
Total Credits: 125					