

SOUTHERN UNIVERSITY AND A&M COLLEGE

College of Engineering & Computer Science

Department of Mechanical Engineering

MECHANICAL ENGINEERING CURRICULUM SHEET

2012-2014 Catalog

FRESHMAN YEAR								
First Semester					Second Semester			
Course	Dept	No	Cr		Course	Dept	No	Cr
Freshman Engr I	Engr	120	2		Freshman Engr II	Engr	130	2
Life Science Elec**			3		Freshman Composition	Engl	111	3
Fresh. Composition	Engl	110	3		Economics	Econ	205	3
General Chem Lec.	Chem	132	3		General Physics	Phys	221	3
General Chem Lab	Chem	112	1		General Physics Lab	Phys	223	1
Calculus I	Math	264	4		Calculus II	Math	265	4
Total			16		Total			16

SOPHOMORE YEAR								
First Semester					Second Semester			
Course	Dept	No	Cr		Course	Dept	No	Cr
Statics	CiEn	224	3		Dynamics	MeEn	225	3
Cal III & Diff Equ	Math	395	4		Mechanics of Materials	MeEn	227	3
General Physics	Phys	222	3		Material Sc. & Engr.	Math	235	3
General Physics Lab	Phys	224	1		Intro to CADD	MeEn	252	2
Social Science Elect**			3		Num Methods for Engr	MeEn	221	3
Tech Communication	Engr	230	2		E.E. Fundamentals	ElEn	352	3
Total			16		Total			17

JUNIOR YEAR								
First Semester					Second Semester			
Course	Dept	No	Cr		Course	Dept	No	Cr
Thermo I	MeEn	300	3		Thermo II	MeEn	301	3
Engr Math	Engr	340	3		Matl Sci. & Engr Elect	MeEn	XXX	3
Fluid Mechanics	MeEn	312	3		Machine Design	MeEn	365	3
Materials Processing	MeEn	335	3		Measurements	MeEn	356	3
Mech of Machines	MeEn	350	3		Prob. & Statistics	Engr	320	2
Health/PE Activity**			2		History Elective**			3
Total			17		Total			17

SENIOR YEAR								
First Semester					Second Semester			
Course	Dept	No	Cr		Course	Dept	No	Cr
ME Seminar	MeEn	400	1		Engr Economy	CiEn	310	3
Heat Transfer	MeEn	442	3		ME Senior Design II	MeEn	451	2
ME Senior Design I	MeEn	450	2		Control & Engr Model	MeEn	456	3
Thermal Sc. Elec**	MEEEn	YYY	3		General Tech. Elective	MeEn	ZZZ	3
History Elective**			3		Arts Elective**			3
Literature Elective**	EngI*	203	3					
Total			15		Total			14

OTHER REQUIREMENTS			
Course	Dept	No	Cr
African American Experience	Engl*	203	3
Service Learning	SVLR	400 or 100, 200 & 300	3
Writing Proficiency	Engl	001	0
Dept. Comp Exam	MeEn	000	0

The required total number of credit hours to fulfill all ME degree requirements is 128.