



College of Engineering and Computer Science
BSME Completion Curriculum for Mechanical Engineering
2011-2012 Academic Year

Junior Year (UT Tyler)

First Semester (Fall)			Second Semester (Spring)		
Course		Hrs	Course		Hrs
MATH 3351	Prob. & Statistics	3	ENGR 3314	Design Methodology	3
MENG 3301	Thermodynamics I	3	MENG 3304	Thermodynamics II	3
MENG 3303	Dynamics of Machinery	3	MENG 3309	Mech. Systems Design	3
MENG 3306	Mechanics of Materials	3	MENG 3316	Heat Transfer	3
MENG 3310	Fluid Mechanics	3	MENG 3319	Materials Sci. & Mfg.	3
MENG 3210	Mech. Engr. Lab I	2	MENG 3211	Mech. Engr. Lab II	2
Semester Credit Hours 17			Semester Credit Hours 17		

Senior Year (UT Tyler)

First Semester (Fall)			Second Semester (Spring)		
Course		Hrs	Course		Hrs
MATH 3203	Matrix Methods1	2	MENG 4315	Senior Design II	3
ENGR 4109	Senior Seminar	1		Technical Elective	3
MENG 4115	Senior Design I	1		Humanities Core Curriculum Elective	3
MENG 4311	Electro-Mech. Design	3		Technical Elective	3
MENG 4313	Thermal/Fluid Design	3	POLS 2305	American Government	3
	Technical Elective	3			
HIST 1302	American History II	3	Semester Credit Hours 15		
Semester Credit Hours 16					

1. MATH 3315 (Linear Algebra and Matrix Theory) can be substituted for MATH 3210.
2. Students who have not completed ENGR 2302 Engineering Mechanics—Dynamics will be required to complete that course as part of the curriculum of study and prior to taking any course for which ENGR 2302 is prerequisite.

