THE UNIVERSITY OF TEXAS AT TYLER
BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING
SUGGESTED DEGREE PLAN FOR TRANSFER STUDENTS (2015-2016)
Junior College Courses[1]
(Please refer to updated university catalog at http://uttyler.cmsiq.com/2015-2016/Catalog/Undergraduate-Admissions-and-Graduation/Graduation-Guidelines-and-Procedures for up-to-date information)

CHEM 1411	General Chemistry	4	(CHEM 1311 & CHEM 1111)
ECON 2302	Microeconomics	3	(Or ECON 2301)
ENGL 1301	Grammar & Comp. I	3	
ENGL 1302	Grammar & Comp. II[3]	3	
ENGL 2311	Technical Report Writing[3]	3	
ENGR 1101	Introduction to Engineering[3]	1	
ENGR 1304	Computer Aided Drafting	3	MENG 1201
	(or CAD with Solid Modeling for MENG 1201)		
ENGR 2301	Statics	3	
ENGR 2302	Dynamics	3	
ENGR 2304	Computing for Engineers	3	MENG 2201
	(or Structured Programming with MATLAB for MENG 2201)		
ENGR 2305	Circuits I	3	
	(Linear Circuits Analysis - EENG 3304)		
GOVT 2305	Intro. American Government	3	
GOVT 2306	Intro. Texas Politics	3	
HIST 1301	U.S. History I	3	
HIST 1302	U.S. History II (or)		
HIST 1303	History of Tech & Innovation	3	
MATH 2413	Calculus I	4	
MATH 2414	Calculus II	4	
MATH 2415	Multivariate Calculus	4	(MATH 3404)
MATH 2320	Differential Equations	3	(MATH 3305)
PHYS 2425	University Physics I	4	(PHYS 2325 & PHYS 2125)
PHYS 2426	University Physics II	4	(PHYS 2326 & PHYS 2126)
SPCH 1315	Fundamentals of Speech	3	(Communications Core Course)
PHIL 2306	Intro to Ethics	3	
	Creative Arts Elective	3	**Total Credits: 76**

Summer (UT Tyler)

Check with the UT Tyler Engineering Advisor for availability of engineering and core courses in the summer before you transfer to UT Tyler. Taking some courses at this time will lighten your course load in the following two years.

Junior Year (UT Tyler)[2]

First Semester			Second Semester		
MATH 3351	Probability & Statistics	3	ENGR 3314	Design Methodology	3
MENG 3301	Thermodynamics I	3	MENG 3304	Thermodynamics II	3
MENG 3303	Dynamics of Machinery	3	MENG 3316	Heat Transfer	3
MENG 3306	Mechanics of Materials	3	MENG 3309	Mech.Systems Dsgn	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
	Total	**17**		**Total**	**17**

Senior Year (UT-Tyler)

First Semester			Second Semester		
MATH 3203	Matrix Methods[4]	2	MENG 4315	Senior Design II	3
ENGR 4109	Senior Seminar	1		Technical Elective	3
MENG 4115	Senior Design I	1	PHIL 2306	Intro to Ethics	3
MENG 4312	System Dyn & Ctrl	3		Technical Elective	3
MENG 4313	Thermal/Fluid Design	3	POLS 2305	American Govt	3
	Technical Elective	3	ENGR 4009	F E Exam Prep	0
HIST 1303	History of Tech&Innov	3			
	Total	**16**		**Total**	**15**

Combined Program Total: 135 Credits

[1] Specific course numbers and core requirements may vary with each Junior or Community College.

[2] This degree plan is only for Transfer Students who have completed a Pre-Engineering Program(ASES) and are transferring to UT Tyler Core Complete.

[3] Students taking ENGL 2311 and ENGR 1101 at a Junior or Community College will not be required to take ENGR 1201 (Intro to Engineering) at UT Tyler. All students are required to complete ENGL 1302 or 1303.

[4] MATH 3315 (Linear Algebra and Matrix Theory) can be substituted for MATH 3203.