

**ARTICULATION AGREEMENT: McLennan Community College and University of Texas at
Arlington**

Program Leading to Bachelor of Science in Mechanical Engineering

FIRST YEAR

Fall

UTA	MCC	Course Name	Hr
MAE 1104	ENGR 1201	Intro to Engineering	2
MAE 1350	ENGR 1304	Engineering Graphics	3
MATH 1426	MATH 2413	Calculus I	4
CHEM 1465*	CHEM 1411	Principles of Chemistry I	4
ENGL 1301	ENGL 1301	Grammar & Composition I	3
			16

Spring

UTA	MCC	Course Name	Hr
MATH 2425	MATH 2414	Calculus II	4
CHEM 1465*	CHEM 1412	Principles of Chemistry II	4
PHYS 1443	PHYS 2425	Physics I	4
ENGL 1302	ENGL 1302	Grammar & Composition II	3
HIST 1311	HIST 1301	American History to 1877	3
			18

SECOND YEAR

Fall

UTA	MCC	Course Name	Hr
MAE 1312	ENGR 2401	Statics	4
MATH 2326	MATH 2415	Calculus III	4
PHYS 1444	PHYS 2426	Physics II	4
HIST 1312	HIST 1302	American History from	3
POLS 2311	GOVT 2305	Natl & State Govt	3
			18

Spring

UTA	MCC	Course Name	Hr
MAE 2323	ENGR 2402	Dynamics	4
EE 2320	ENGR 2305 ENGR 2105	Circuits Analysis	4
n/a	MATH 2320	Differential Equations	3
POLS 2312	GOVT 2306	Am. Gov. Policies	3
ECON 2305	ECON 2301	Macroeconomic	3
			17

Notes:

This is not a 2 + 2 degree plan; the student will likely require an additional 3 years of study upon transfer.

Math 2320 does not apply to the UTA ME degree directly, but is required as a co-requisite for Engr 2305/2105. Diff Eq is covered over multiple classes at UTA in a just-in-time learning environment.

*Chem 1411 and Chem 1412 must both be taken at MCC to transfer as Chem 1465 at UTA.

Engl 2311 can not be substituted for Engl 1302.

Engr 1201 will transfer as MAE 1104 after a UTA-specific short program is completed.

Engr 1304 at MCC is taught using SolidWorks; UTA will accept this course in transfer, but students are expected to pick up knowledge of the program ProE on their own.