



UT Arlington Mechanical and Aerospace Engineering Department
817.272.2561
maeundergrad@uta.edu
www.uta.edu/engineering/mae

Major Information

This course list is based on the requirements for an associate of science (AS) degree at TCC. For UT Arlington degree requirements and recommended course flow, visit the departmental website listed above or contact the UT Arlington Departmental Advisor at the email listed above. This table is designed to assist those wishing to complete an AS at TCC and continue to a Bachelor of Science (BS) degree in engineering at UT Arlington. The course equivalencies are based on the major listed on this sheet, and equivalencies may not follow to a different major. Work with your UT Arlington and TCC advisors to determine the best plan for completing the two degrees. This information is effective 10/1/2011.

It is recommended that you begin working with a UT Arlington engineering advisor at least one year prior to transferring.

	TCC Course Title	TCC Course Number	UTA Course Number
1st Semester	English Composition I	ENGL 1301	ENGL 1301
	Calculus with Analytical Geometry I	MATH 2513	MATH 1426
	United States History to 1876	HIST 1301	HIST 1311
	General Chemistry I	CHEM 1411	CHEM 1441 ²
2nd Semester	English Composition II	ENGL 1302	ENGL 1302
	Calculus with Analytical Geometry II	MATH 2414	MATH 2425
	United States History from 1876	HIST 1302	HIST 1312
	General Chemistry II	CHEM 1412	CHEM 1442 ²
	Business and Professional Communication	SPCH 1321	COMM 3302 ³
3rd Semester	Calculus with Analytical Geometry III	MATH 2315	MATH 2326
	Principles of Macroeconomics	ECON 2301	ECON 2305
	United States Government	GOVT 2305	POLS 2311
	Technical Writing	ENGL 2311	COMM 3302 ³
	Fine Arts Elective	ART 1301, DANC 2303, DRAM 1310, or MUSI 1306	ART 1301, DNCE 1300, THEA 1343, or MUSI 1300
4th Semester	Texas State and Local Government	GOVT 2306	POLS 2312
	Engineering Physics I	PHYS 2425	PHYS 1443
	Literature (Humanities) Elective	ENGL 2322, ENGL 2327, or ENGL 2332	ENGL 2319, ENGL 2329, or ENGL 2309
	Circuit Analysis	ENGR 2305	EE 2320
	Engineering Graphics (ProE version)	ENGR 1304	MAE 1350

Notes

¹This degree plan assumes that a student is "calculus ready", that is, the student is ready for Calculus I based on placement testing at TCC or at UT Arlington. If the student is not calculus ready, please consult a UT Arlington academic advisor **before** registering for courses at TCC.

²Both CHEM 1411 and CHEM 1412 at TCC together give credit for CHEM1465 (Chemistry for Engineers) at UT Arlington.

³Students who wish to receive credit for COMS 3302 **must take both** SPCH 1321 and ENGL 2311 at TCC. This information is for engineering majors only. Courses may transfer differently if you change your major.

This degree track at TCC is based on completion of the AS Degree at TCC prior to entering UT Arlington. The AS degree requires the following additional coursework which will not apply to the BS degree in an engineering field: PHED 1164 and COSC 1401.