

**ARTICULATION AGREEMENT: McLennan Community College and University of Texas at Arlington
Program Leading to Bachelor of Science in Mechanical Engineering**

FIRST YEAR

| <i>Fall</i> | | | |
|-------------|---|-----------|-----------------------------|
| UTA | ✓ | MCC | |
| 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 |

| <i>Spring</i> | | | |
|---------------|---|-----------|------------------------------|
| UTA | ✓ | MCC | |
| 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

| <i>Fall</i> | | | |
|-------------|---|-----------|------------------------------|
| UTA | ✓ | MCC | |
| 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 1877 3 |
| POLS 2311 | | GOVT 2305 | Natl & State Govt 3 |
| | | | 18 |

| <i>Spring</i> | | | |
|---------------|---|-----------|--------------------------|
| UTA | ✓ | MCC | |
| MAE 2323 | | ENGR 2402 | Dynamics 4 |
| EE 2320 | | ENGR 2305 | Circuits Analysis 4 |
| | | ENGR 2105 | |
| | | MATH 2320 | Differential Equations 3 |
| POLS 2312 | | GOVT 2306 | Am. Gov. Policies 3 |
| ECON 2305 | | ECON 2301 | Macroeconomics 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.