

# B.S. in Aerospace Engineering, 2019-2020

## Pre-professional courses

Name : \_\_\_\_\_

ID : \_\_\_\_\_

→ Prerequisite

\* Texas Common Course Number

+ Offered in spring

+++ Must be approved by advisor

-----> Prerequisite or Concurrent Enrollment

++ Offered in spring and fall

+Δ Offered in spring and summer

++++ UTA Core Curriculum Electives

**Freshman  
1<sup>st</sup> Semester  
15 hrs**

UNIV 1131 Or ENGR 1101 * ENGR 1201		

Engr 1250 Engr Prob Solv		

MAE 1106 Intro. to AE		

MATH 1426 Calc. I * MATH 2413		

CHEM 1465 Chem. with lab * CHEM 1411&1412		

ENGL 1301 Reading & Writing I * ENGL 1301		

**Freshman  
2<sup>nd</sup> Semester  
14 hrs**

Foreign Language requirement completed	
High school	<input type="checkbox"/>
Int'l ESL	<input type="checkbox"/>
College 6 hrs	<input type="checkbox"/>

PHYS 1443 Tech. Phys I with lab * PHYS 2425		

MATH 2425 Calc. II * MATH 2414		

MAE 2360 Num. Anal. & Prog.		

MAE 1351 Engr. Design		

**Sophomore  
1<sup>st</sup> Semester  
16 hrs**

MAE 1312 Eng. Statics * ENGR 2301		

PHYS 1444 Tech. Phys II with lab * PHYS 2426		

MATH 2326 Calc III * MATH 2415		

MATH 3330 Intro. to Matrices and Linear Algebra		

MAE 2381 Exp. Meth. & Meas.		

**Sophomore  
2<sup>nd</sup> Semester  
18 hrs**

MAE 2312 Solid Mechanics		

MAE 2323 Dynamics * ENGR 2302		

MAE 2315 Fluid Dynamics		

MAE 3309 ++ Thermo Engineering		

MAE 3360 Eng. Analysis		

EE 2320 Circuit Analysis		

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Professional courses --- admission to the professional program required

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