

# Texas A&M Engineering Academies Program Plan

\_\_\_\_\_  
Name

\_\_\_\_\_  
UIN

Collin College Technical Campus

TAMU Academy Location

\_\_\_\_\_  
Email

## ETAM (Entrance to a Major) Requirements

Entry to a Major (ETAM) Requirements	Course 1	Course 2	Options
2 Math Courses taken at Collin College w/a C or Higher			MATH 2413, 2414, 2415, 2320, 2318
2 Science Courses taken at Collin College w/ a C or Higher			CHEM 1409 (1411+1412); PHYS 2425, 2426
2 Engineering Courses Taken Through TAMU with a C or Higher			ENGR 102, 216, 217

Collin College Cumulative GPA  $\geq 2.5$  and Texas A&M Cumulative GPA  $\geq 2.0$

### **Sequence for a student who enrolls in Calculus I or higher in the fall semester**

FALL	SPRING	FALL	SPRING
EDUC 1300 & ENGR 102	ENGR 216	ENGR 217	ISEN 302 OR OTHER

### **Sequence for a student who enrolls in Pre-Calculus in the fall semester**

FALL	SPRING	FALL	SPRING
EDUC 1300 & ENGR 102	CLEN 261	ENGR 216	ENGR 217

**NOTE:** If a student does not earn a C or better in Calculus I in the fall semester, or does not meet the prerequisites for ENGR 216, the student will be assigned to CLEN 261.

## TAMU Courses

Course Prefix	Course Number	Course Name	Semester Taken	Grade
ENGR	102	Engineering Lab 1 - Computation		
ENGR	216	Experimental Physics and Engineering Lab II - Mechanics		
ENGR	217	Experimental Physics and Engineering Lab III - Electricity and Magnetism		
ISEN	302	Industrial and Systems Engineering		
CLEN	261	College of Engineering		

## Collin College Courses

<i>Course Prefix</i>	<i>Course Number</i>	<i>Course Name</i>	<i>Semester Taken</i>	<i>Grade</i>
<b>MATH</b>	2413	Calculus I		
	2414	Calculus II		
	2415	Calculus III		
	2420/2320	Differential Equations		
<b>CHEM</b>	1409	Chemistry for Engineering**		
		<b>OR</b>		
1411 or	1311/1111	General Chemistry I**		
1412 or	1312/1112	General Chemistry II**		
<b>PHYS</b>	2425/2325	University Physics I		
	2426/2326	University Physics II		
<b>ENGL</b>	1301	Composition I		
	2311	Technical and Business Writing		
<b>GOVT</b>	2305	Federal Government		
	2306	Texas Government		
<b>HIST</b>	1301	United States History I		
	1302/2301	United States History II/Texas History		
<b>Creative Arts (3 credits)</b>				
<b>Social &amp; Behavioral Science (3 credits)</b>				
<b>Language, Philosophy, and Culture (3 credits)</b>				

To view Core Curriculum Equivalencies please visit [core.tamu.edu](http://core.tamu.edu)

\*\*Both CHEM 1411 & 1412 are required for the following engineering majors - BMEN, CHEN, MSEN

Minimum 2 semesters in the Engineering Academy with a max of 4 semesters, each semester must be at least 12 credit hours with combined TAMU and CC courses.

Must have a minimum cumulative GPA of 2.5 at the Collin College and a 2.0 at TAMU to apply to ETAM.

Math and Science courses must be from Collin College to count towards ETAM (Entrance to a Major) at TAMU

Calculus 3 must be completed before transitioning to College Station (If transitioning in Fall, Cal 3 may be taken the summer prior to Transition)

Students must remain full-time while in the academy which requires enrollment in core courses in addition to the ETAM requirements.