Name

UIN

Texas A&M Engineering Academies Program Plan

**Collin College Technical Campus**

TAMU Academy Location Email

# ETAM 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, 2430 |
| 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 ≥ 2.5 and Texas A&M Cumulative GPA ≥ 2.0

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

|  |  |  |  |
| --- | --- | --- | --- |
| **FALL** | **SPRING** | **FALL** | **SPRING** |
| CLEN 181 &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** |
| CLEN 181 &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*** |
| **CLEN** | 181 | College of Engineering |  |  |
| **ENGR** | 102 | Engineering Lab 1 - Computation |  |  |
| **ENGR** | 216 | Experimental Physics and Engineering Lab II - Mechanics |  |  |
| **ENGR** | 217 | Experimental Physics andEngineering Lab III - Electricity and Magnetism |  |  |
| **ISEN** | 302 | Industrial and Systems Engineering |  |  |
| **CLEN** | 261 | College of Engineering |  |  |

**Collin College Courses**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Course******Prefix*** | ***Course******Number*** | ***Course Name*** | ***Semester******Taken*** | ***Grade*** |
| **MATH** | 2413 | Calculus I |  |  |
|  | 2414 | Calculus II |  |  |
|  | 2415 | Calculus III |  |  |
|  | 2420/2320 | Differential Equations |  |  |
|  |  |  |  |  |
| **CHEM** | 1409 | Chemistry for Engineering |  |  |
|  |  | **OR** |  |  |
| 1411 or | 1311/1111 | General Chemistry I\* ENGRChem(107 | /117) |  |
| 1412 or | 1312/1112 | General Chemistry II\* |  |  |
|  |  |  |  |  |
| **PHYS** | 2425/2325 | University Physics I |  |  |
|  | 2426/2326 | University Physics II |  |  |
|  |  |  |  |  |
| **ENGL** | 1301 | Composition I |  |  |
|  | 2311 | Technical and Business Writing |  |  |
|  |  |  |  |  |
| **GOVT** | 2305 | Federal Government |  |  |
|  | 2306 | Texas Government |  |  |
|  |  |  |  |  |
| **HIST** | 1301 | United States History I |  |  |
|  | 1302/2301 | United States History II/Texas History |  |  |
|  |  |  |  |  |
| **Creative Arts/ICD or CD\*** (3 credits) |  |  |
|  |  |  |  |  |
| **Social & Behavioral Science/ICD or CD** (3 credits) |  |  |
|  |  |  |  |  |
| **Language, Philosophy, and Culture** (3 credits) |  |  |
|  |  |  |

ICD – International Culture Diversity

\*CD – Cultural Discourse - Only through Texas A&M courses

To view Core Curriculum Equivalencies please visit **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

Must have a minimum cumulative GPA of 2.5 at the Partner Institution and a 2.0 at TAMU to apply to ETAM

Math and Science courses must be from Partner Institution to count towards ETAM

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