



Interdisciplinary Engineering  
 College of Engineering  
 Doug Beck  
 979-458-8629 | mtde@tamu.edu  
Department of Multidisciplinary Engineering

2021-2022 Transfer Course Sheet  
 Minimum GPA | 3.0  
 Minimum Transferable Hours | 24  
 Second-Choice Major Eligible | YES

### Required Coursework for Admission

| Course Name                      | Hrs.     | TCCNS                    | TAMU            |
|----------------------------------|----------|--------------------------|-----------------|
| Engineering Math I               | 4        | MATH 2413                | MATH 151        |
| Engineering Math II              | 4        | MATH 2414                | MATH 152        |
| Chemistry for Engineers and Lab* | 4        | CHEM 1409*               | CHEM 107/117*   |
| <b>Physics for Engineers</b>     | <b>3</b> | <b>PHYS 2425 or 2325</b> | <b>PHYS 206</b> |

**Transfer applicants admitted to Texas A&M Engineering with credit for PHYS 2425 (2325/2125) and PHYS 2426 (2326/2126) will only receive 6 credit hours towards their Engineering bachelor's degree if entering AFTER Spring 2018.**

- Courses listed should be completed with a grade of C or better.
- Students may have to complete College Algebra (MATH 1314) or Pre-Calculus (MATH 2412) at their institution before taking MATH 2413.
- College Algebra and Trigonometry and Pre-Calculus are transferable courses but **will not** apply to the Interdisciplinary Engineering degree plan.
- \*Students attending an institution without an equivalent to CHEM 107/117 can transfer an equivalent to Fundamentals of Chemistry II (CHEM 120-CHEM 1412) to meet the CHEM 107/117 requirement. \*

**The recommendations below represent what a typical TAMU student's schedule looks like during the first four semesters. If working to complete an Associate's Degree before transferring, please align your degree plan to satisfy TAMU degree requirements. You may not have to complete the coursework in the sequence below but this major recommends specific coursework to be completed.**

#### First Year

##### FALL SEMESTER

| TCCNS             | TAMU   | Course Name  | Hrs.      |
|-------------------|--|--|-----------|
| CHEM 1409 or 1412 | CHEM 107/117 or CHEM 120                         | Chemistry for Engineers or General Chemistry II <sup>1</sup> | 4         |
|                   | <a href="http://core.tamu.edu">core.tamu.edu</a> | American History   | 3         |
| MATH 2413         | MATH 151   | Engineering Math I   | 4         |
| ENGL 1301 or 1302 | ENGL 103 or 104                                  | Basic Composition <sup>2</sup>                               | 3         |
| <b>Total</b>      |  |  | <b>14</b> |

##### SPRING SEMESTER

| TCCNS                  | TAMU   | Course Name                                 | Hrs.         |
|------------------------|--|---|--------------|
|                        | <a href="http://core.tamu.edu">core.tamu.edu</a> | Language, Philosophy & Culture <sup>2</sup> | 3            |
|                        | <a href="http://core.tamu.edu">core.tamu.edu</a> | Social & Behavioral Science <sup>3</sup>    | 3            |
| MATH 2414              | MATH 152   | Engineering Math II                         | 4            |
| PHYS 2425 or 2325/2125 | PHYS 206   | Physics for Engineers I                     | 3-4          |
| <b>Total</b>           |  |   | <b>13-14</b> |

#### Second Year

##### FALL SEMESTER

| TCCNS                  | TAMU     | Course Name                       | Hrs.         |
|------------------------|----------|-----------------------------------|--------------|
| MATH 2415              | MATH 253 | Engineering Math III <sup>4</sup> | 4            |
| ENGL 2311              | ENGL 210 | Technical Writing                 | 3            |
| GOVT 2305              | POLS 206 | American National Government      | 3            |
| PHYS 2426 or 2326/2126 | PHYS 207 | Physics for Engineers II          | 3-4          |
| <b>Total</b>           |          |                                   | <b>13-14</b> |

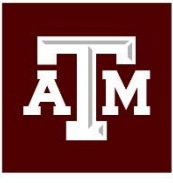
##### SPRING SEMESTER

| TCCNS        | TAMU   | Course Name                         | Hrs.      |
|--------------|--|-------------------------------------|-----------|
|              | <a href="http://core.tamu.edu">core.tamu.edu</a> | American History                    | 3         |
|              | <a href="http://core.tamu.edu">core.tamu.edu</a> | Creative Arts <sup>3</sup>          | 3         |
| GOVT 2306    | POLS 207   | State & Local Government            | 3         |
| MATH 2320    |  | Differential Equations <sup>5</sup> | 3         |
| <b>Total</b> |  |                                     | <b>12</b> |

#### Notes:

1. Either CHEM 1409 or CHEM 1412 will fulfill the 4 credit chemistry requirement for this engineering degree.
2. Either ENGL 1301 or ENGL 1302 will fulfill the ENGL 104 requirement for this engineering degree.
3. Consider taking courses that fulfill the 3 hours of [International and Cultural Diversity requirement](#) when completing the Social and Behavioral Sciences, Language, Philosophy & Culture or Creative Arts requirements.
4. MATH 2415 transfers as MATH 253 to Texas A&M but will fulfill the MATH 251 requirement for an engineering degree; only three credit hours of the MATH 2415 will be used.
5. MATH 2320 will transfer in as title only but can substitute for the MATH 308 requirement for this engineering degree.

#### Coursework Timeline



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- Competitive applicants will have the required coursework completed by the application deadline.
- Applicants to the summer/fall term **may be** asked to submit spring final grades, this is not a guarantee.
- Summer coursework **will not** be considered by admissions for summer/fall applicants.
- Fall coursework **will not** be considered by admissions for spring applicants.
- Applicants to the spring term should have the required coursework completed by the end of Summer II semester before applying.

#### **Additional Transfer Requirements**

- Transfer applicants should have completed a full semester (spring or fall) course load of 12 transferable hours (minimum) after graduating from high school.
- Meeting minimum requirements **does not** guarantee admission. The entire record is reviewed for consistency in coursework and grades.

#### **Additional Information**

- Applicants should be serious about earning a degree in Interdisciplinary Engineering.
- Transfer applicants are instructed **NOT** to accept transfer admission to any major with the expectation of later applying for an on-campus change of major.
- The department may consider in-progress coursework if it is listed on the student's application.

#### **Career & Educational Opportunities**

Earning a Bachelor of Science (B.S.) in Interdisciplinary Engineering (ITDE) allows students to develop unique skill sets and specialize in areas that may not be provided in a traditional department degree program. Such specializations may be driven by emerging technical fields or by a student's desire to have an immersive interdisciplinary experience. ITDE students graduate with a specific set of skills resulting from a unique program of study. For more information please visit [careercenter.tamu.edu](http://careercenter.tamu.edu).

#### **Transfer Course Sheet Notes**

1. Admission preference is given to applicants with the highest GPA and the most appropriate courses completed.
2. Transfer applicants are encouraged to complete [University Core Curriculum](#) coursework found in the [Undergraduate Catalog](#) unless specified above.
3. This Transfer Course Sheet was supported in a partnership between the Office of Admissions and the College of Engineering at Texas A&M University with the Undergraduate Catalog having the most extant and definitive information.