## Electronic Systems Engineering Technology

**College of Engineering**

**Engineering Technology and Industrial Distribution**

**ETID-advising@tamu.edu | 979-845-4951**

**engineering.tamu.edu/etid/advising/index.html**

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### 2020-2021 Transfer Course Sheet

- **Minimum GPA | 2.5**
- **Minimum Transferable Hours | 24**
- **Second-Choice Major Eligible | YES**

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### Minimum Transferable Hours | 24

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### Recommended Coursework for Admission

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

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** satisfy the Mathematics requirements in this 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 142) 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.

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### First Year

#### FALL SEMESTER

<table>
<thead>
<tr>
<th>TCCNS</th>
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</tr>
<tr>
<td>MATH 2413</td>
<td>MATH 151</td>
<td>Engineering Math I</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1301 or 1302</td>
<td>ENGL 103 or 104</td>
<td>Composition &amp; Rhetoric*</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total** **14**

#### SPRING SEMESTER

<table>
<thead>
<tr>
<th>TCCNS</th>
<th>TAMU</th>
<th>Course Name</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>core.tamu.edu</td>
<td>Language, Philosophy &amp; Culture</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>icd.tamu.edu</td>
<td>Social &amp; Behavioral Sciences</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH 2414</td>
<td>MATH 152</td>
<td>Engineering Math II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2425 or 2325/2125</td>
<td>PHYS 206</td>
<td>Physics for Engineers I</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total** **13**

*Either ENGL 1301 or ENGL 1302 will fulfill three of the six required credit hours of Communication requirements*

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### Second Year

#### FALL SEMESTER

<table>
<thead>
<tr>
<th>TCCNS</th>
<th>TAMU</th>
<th>Course Name</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPCH 1315 or 2311</td>
<td>COMM 203 or ENGL 210</td>
<td>Public Speaking or Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>icd.tamu.edu</td>
<td>Creative Arts</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GOVT 2305</td>
<td>POLS 206</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 2426 or 2326/2126</td>
<td>PHYS 207</td>
<td>Physics for Engineers II</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total** **13**

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<table>
<thead>
<tr>
<th>TCCNS</th>
<th>TAMU</th>
<th>Course Name</th>
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</tr>
</thead>
<tbody>
<tr>
<td>core.tamu.edu</td>
<td>American History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>icd.tamu.edu</td>
<td>Math Elective*</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GOVT 2306</td>
<td>POLS 207</td>
<td>State &amp; Local Government</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total** **9**

- Consider taking courses that fulfill the 3 hours of [International and Cultural Diversity requirement](#) when completing the Social and Behavioral Sciences and Creative Arts requirements.
- **Math elective choices include:** Calculus III (MATH 251/253), Linear Algebra (MATH 304), or Differential Equations (MATH 308)

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5/11/2020
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2020-2021 Transfer Course Sheet  
Minimum GPA | 2.5  
Minimum Transferable Hours | 24  
Second-Choice Major Eligible | YES

Coursework Timeline
- Competitive applicants will have the Recommended 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 Recommended 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 Electronic Systems Engineering Technology.
- 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
The Electronic Systems Engineering Technology (ESET) program provides an emphasis in electronics, communication, embedded systems, testing, instrumentation and control systems, performs applied research for educational, government, and industrial entities in the state and nation, and conducts professional development and other activities to meet the needs of the private and public sectors. The program combines engineering and industrial knowledge and methods to develop, design, and implement new innovative products. Electronic Systems Engineering Technology graduates find challenging careers in the application engineering, test engineering, network analyst, system engineering, software developer and, engineering project management positions at high-tech companies. For more information please visit 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.