# Environmental Engineering

## 2024-2025 Transfer Course Sheet

- **Minimum GPA**: 3.5
- **Minimum Transferable Hours**: 24
- **Maximum Transferable Hours**: 64
- **Second-Choice Major Eligible**: NO

## Environmental Engineering College of Engineering

### Transfer Course Sheet

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**Minimum GPA**: 3.5  
**Minimum Transferable Hours**: 24  
**Maximum Transferable Hours**: 64  
**Second-Choice Major Eligible**: NO

## Required 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 Mathematics I</td>
<td>4</td>
<td>MATH 2413</td>
<td>MATH 151</td>
</tr>
<tr>
<td>Engineering Mathematics 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 or CHEM 1412*</td>
<td>CHEM 107/117 or CHEM 120</td>
</tr>
<tr>
<td>Physics for Engineers I</td>
<td>3</td>
<td>PHYS 2325 or 2425</td>
<td>PHYS 206</td>
</tr>
</tbody>
</table>

**This transfer course sheet is applicable for applicants applying between August 1st, 2024 and October 15th, 2025.**

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

- Applicants should complete the courses listed with a grade of B or better before submitting the transfer application.
- Students may have to complete Trigonometry and Pre-Calculus (MATH 2412) at their institution before taking MATH 2413.
- Trigonometry and Pre-Calculus are transferable courses but will not satisfy the Mathematics requirements in this degree plan.
- *Prospective 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 fulfill the CHEM 107/117 requirement.

The recommendations below represent what a TAMU student's schedule may look like during the first four semesters minus the TAMU College of Engineering courses. If working to complete an Associate's Degree before transferring, work with your current academic advisor to align your degree plan with TAMU degree requirements to the extent possible. You may find an actual TAMU student's schedule at https://catalog.tamu.edu/undergraduate/engineering/civil-environmental/environmental-engineering-bs/#programrequirementstext

### First Year

#### FALL SEMESTER

<table>
<thead>
<tr>
<th>TCCNS</th>
<th>TAMU</th>
<th>Course Name</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1411 (1311/1111) CHEM 1409</td>
<td>CHEM 119 or CHEM 107/117</td>
<td>Fundamentals of Chemistry I or General Chemistry for Engineering Students</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2413</td>
<td>MATH 151</td>
<td>Engineering Math I</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1301</td>
<td>ENGL 103</td>
<td>Composition and Rhetoric¹</td>
<td>3</td>
</tr>
<tr>
<td>core.tamu.edu</td>
<td>University Core Curriculum</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Total**: 14

1. Either ENGL 1301 or ENGL 1302 will fulfill three of the six required credit hours of Communication requirements.
2. You may take the four credit version of PHYS but only three credits will be applied.
3. Students that take CHEM 107/117 (CHEM 1410) do not need to take CHEM 119 and CHEM 120.

#### SPRING SEMESTER

<table>
<thead>
<tr>
<th>TCCNS</th>
<th>TAMU</th>
<th>Course Name</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 2325 (2425)</td>
<td>PHYS 206</td>
<td>Physics for Engineers I²</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1412 (1312/1112)</td>
<td>CHEM 120</td>
<td>Fundamentals of Chemistry III²</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2414</td>
<td>MATH 152</td>
<td>Engineering Math II</td>
<td>4</td>
</tr>
<tr>
<td>core.tamu.edu</td>
<td>University Core Curriculum</td>
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<td>3</td>
</tr>
</tbody>
</table>

**Total**: 14

### 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>BIOL 1308</td>
<td>BIOL 113</td>
<td>Essentials of Biology</td>
<td>3</td>
</tr>
<tr>
<td>core.tamu.edu</td>
<td>University Core Curriculum</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MATH 2415</td>
<td>MATH 253</td>
<td>Engineering Mathematics III</td>
<td>3-4</td>
</tr>
<tr>
<td>PHYS 2426 (2326)</td>
<td>PHYS 207</td>
<td>Physics for Engineers II*</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total**: 12

- Consider taking courses that fulfill the 3 hours of International and Cultural Diversity requirement when completing the Social and Behavioral Sciences, free electives and Creative Arts core curriculum requirements.

- *You may take the four credit version of PHYS but only three credits will be applied.

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5/10/2024
Coursework Timeline

- Competitive applicants will have the required coursework completed with a final grade by the application deadline.
- Summer coursework will not be considered for summer/fall applicants.
- Fall coursework will not be considered for spring applicants.
- Applicants to the spring term shall have the required coursework completed with a final grade by the end of Summer II semester before applying.

Additional Transfer Requirements

- Applicants must earn a B or better in all math, science, and engineering courses taken subsequent to the required coursework.
- The Zachry Department of Civil & Environmental Engineering is looking for students who are interested in pursuing a career in environmental engineering as a focus. The department will not admit students who do not indicate our department as the primary major. The essay and supporting materials must demonstrate explicit interest in an environmental engineering career. The department gives preference to essays indicating experience in the field, special knowledge of environmental engineering, and or participation in extracurricular activities or organizations related to environmental engineering.
- Meeting minimum requirements does not guarantee admission. The entire record is reviewed for consistency in coursework and grades. Admission is for a finite number of places based upon competition among applicants meeting minimum requirements.
- Transfer applicants should have completed at least 2 full semester course loads of a total of 24 transferable hours (minimum) after graduating from high school.

Additional Information

- Admission preference is given to applicants who are not already enrolled in an environmental engineering program at another institution.
- Admission preference is also given to applications who have fewer than 60 transferable credit hours.
- 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 Zachry Department of Civil & Environmental Engineering makes admission decisions based upon final grades in required coursework and does NOT hold applications to wait for grades.
- Additional information on transfer into the Zachry Department of Civil & Environmental Engineering is available at https://engineering.tamu.edu/civil/prospective-students/undergraduate/transferring
- Students are encouraged to complete or in progress of completing a computer programming course. Any language is acceptable: however, (in order of preference) Python, Matlab, and C++ are the preferred languages.

Career & Educational Opportunities
Environmental engineers seek solutions to environmental challenges that impact the health and well-being of society and the environment. Environmental engineers develop strategies and technologies to treat and protect the quality of air, water and earth. Environmental engineers address emerging global challenges such as the impact of climate change on communities and ecosystems. Environmental engineers improve human and ecological health through impactful engineering applications. They are involved in ensuring good air quality, controlling water pollution and remediation of wastes at contaminated sites. They also develop the means to protect the environment and ensure environmental sustainability. Environmental engineers recognize the global impact that local actions can have on people and their environments. 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 2022-2023 Undergraduate Catalog having the most extant and definitive information.