



Nuclear Engineering  
 College of Engineering  
 Marna Stepan | [marna@tamu.edu](mailto:marna@tamu.edu)  
[engineering.tamu.edu/nuclear](http://engineering.tamu.edu/nuclear)

2021-2022 Transfer Course Sheet  
 Minimum GPA | 3.0 in MATH, PHYS, & CHEM  
 Minimum Transferable Hours | 24  
 Maximum Transferable Hours | 100  
 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
<b>Physics for Engineers I</b>	<b>3</b>	<b>PHYS 2425 or 2325</b>	<b>PHYS 206</b>
<b>Physics for Engineers II</b>	<b>3</b>	<b>PHYS 2426 or 2326</b>	<b>PHYS 207</b>
Chemistry for Engineers and Lab	4	CHEM 1410 or 1412*	CHEM 107/117 or CHEM 120
Composition and Rhetoric	3	ENGL 1301 or ENGL 1302	ENGL 103 or ENGL 104

**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.**

- \*Students attending an institution without an equivalent to CHEM 107/117 can transfer an equivalent to Fundamentals to Chemistry II (CHEM 120 – CHEM 1412) to fulfill the CHEM 107/117 requirement.
- All required coursework must be completed with a grade of B or better.
- 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.

**The recommendations below represent what a typical TAMU student's schedule looks like during the first three 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 requires specific coursework to be completed.**

#### First Year

##### FALL SEMESTER

TCCNS	TAMU	Course Name	Hrs.
	<a href="http://core.tamu.edu">core.tamu.edu</a>	American History	3
CHEM 1411 (1311/1111) CHEM 1410	CHEM 119 or CHEM 107/117	Chemistry I	4
MATH 2413	MATH 151	Engineering Math I	4
ENGL 1301	ENGL 103	Composition & Rhetoric <sup>1</sup>	3
<b>Total</b>			<b>14</b>

##### SPRING SEMESTER

TCCNS	TAMU	Course Name	Hrs.
PHYS 2425 (2325)	PHYS 206	Physics for Engineers I <sup>2</sup>	3
CHEM 1412 (1312/1112)	CHEM 120	Chemistry II	4
MATH 2414	MATH 152	Engineering Math II	4
	<a href="http://core.tamu.edu">core.tamu.edu</a>	American History	3
<b>Total</b>			<b>14</b>

#### Second Year

##### FALL SEMESTER

TCCNS	TAMU	Course Name	Hrs.
MATH 2415	MATH 253	Engineering Math III <sup>3</sup>	3
PHYS 2426 (2326)	PHYS 207	Physics for Engineers II	3
ENGL 2311	ENGL 210	Technical Business Writing	3
GOVT 2305	POLS 206	American Government	3
<b>Total</b>			<b>12</b>

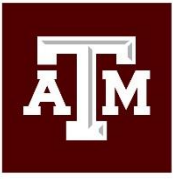
##### SPRING SEMESTER

TCCNS	TAMU	Course Name	Hrs.
	MATH 308	Differential Equations	3
	<a href="http://core.tamu.edu">core.tamu.edu</a>	Social & Behavioral Sciences <sup>4</sup>	3
	<a href="http://core.tamu.edu">core.tamu.edu</a>	Creative Arts <sup>4</sup>	3
GOVT 2306	POLS 207	State & Local Government	3
<b>Total</b>			<b>12</b>

#### Notes:

- Either ENGL 1301 or ENGL 1302 will fulfill three of the six required credit hours of Communication requirements.
- You may take the four-credit version of PHYS but only three credits will be applied.
- MATH 253 is an acceptable substitution for MATH 251. It is recommended that applicants complete the calculus sequence to fulfill the MATH 151, 152, and 251 degree requirements.
- Consider taking courses that fulfill the 6 hours of [International and Cultural Diversity and/or Cultural Discourse requirement](#) when completing the Social and Behavioral Sciences and/or Creative Arts requirements.

#### 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 for summer/fall applicants.
- Fall coursework **will not** be considered for spring applicants.

#### **Additional Transfer Requirements**

- 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 Nuclear 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

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

Nuclear engineers are involved in the design, construction, and operation of nuclear power plants for power generation, propulsion of nuclear ships and submarines, and space power systems. Nuclear engineers are also involved in the handling of nuclear fuels, the safe disposal of radioactive wastes, and in medical uses of radioactive isotopes. Many of these engineers find industrial and medical uses for radioactive materials—for example, in equipment used in medical diagnosis and treatment. Many others specialize in the development of nuclear power sources for ships or spacecraft. 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. 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.