



## Mechanical Engineering

Engineering | Mechanical Engineering

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### REQUIRED COURSEWORK FOR ADMISSION

Course Title	Credits	TCCNS Number	TAMU Course Number
Engineering Math I	4	MATH 2413	MATH 151
Engineering Math II	4	MATH 2414	MATH 152
Physics - Mechanics	4	PHYS 2425 or 2325/2125	PHYS 218
Physics - Electricity and Optics*	4	PHYS 2426 or 2326/2126	PHYS 208
Chemistry for Engineers and Lab**	4	CHEM 1410 or 1412	CHEM 107/117 or CHEM 102/112
Composition and Rhetoric	3	ENGL 1302	ENGL 104

**All Required Coursework listed above must be complete or in progress at time of application. These are minimums for consideration. Admission is for a fixed number of places on a competitive basis among applicants meeting minimum requirements.**

Competitive applicants will have at least all of the Required Coursework completed and have earned a grade of 'B' or better in each of the above courses.

\*PHYS 208 **must** be complete or in progress at the time of application.

\*\*Students attending an institution without an equivalent to CHEM 107/117 can transfer an equivalent to Fundamentals of Chemistry II (CHEM 102/112 – CHEM 1412) to fulfill the CHEM 107/117 requirement.

Prospective students should refer to the [Texas A&M Transfer Course Equivalency website](http://www.tamutransfer.com) for common course numbers by institution.

### ADDITIONAL COURSEWORK TO COMPLETE

Course Title	Credits	TCCNS Number	TAMU Course Number
Engineering Math III***	3-4	MATH 2415	MATH 251
Computer Programming	3-4	(see note 2)	

\*\*\*Engineering Math III should be completed with a grade of 'B' or better. 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 requirement.

### Transfer Course Sheet Notes:

1. Applicant's essay **MUST** convey their understanding of and desire to pursue a Mechanical Engineering degree and planned career path.
2. Admission preference is given to applicants who have completed or are in progress of completing a computer programming course. Any language is acceptable; however, Matlab is recommended.
3. Admission preference is given to applicants with the highest GPA and the most appropriate courses completed.
4. This Transfer Course Sheet was supported in a partnership between The Office of Admissions and the College of Engineering at Texas A&M at Texas A&M University with the Undergraduate Catalog having the most extant and definitive information.

### Additional Transfer Requirements

- At least a 3.25 overall GPA on 24 transferable hours (minimum) to be competitive for admission.
- Second-choice majors are **not** considered.

### Additional Information

- Admission is on a competitive basis for a fixed number of places. More detailed, department transfer information can be found at [engineering.tamu.edu/mechanical/prospective-students/admission-guidelines](http://engineering.tamu.edu/mechanical/prospective-students/admission-guidelines)
- Degree candidates will be required to fulfill the following [University Core Curriculum Requirements](http://www.tamutransfer.com) to graduate: American history electives, government electives, a social and behavioral science elective, and a creative arts elective. These are options for additional coursework that your institution may offer to complete. In addition, 6 credit hours of international and cultural diversity must be satisfied.