

Materials Science and Engineering for Aerospace Engineering Majors Minor

Materials Science and Engineering Minor

The transcript-recognized undergraduate academic minor in materials science and engineering must be completed in conjunction with an undergraduate degree at The University of Texas at Austin in one of the following majors: chemistry, physics, aerospace engineering, biomedical engineering, chemical engineering, electrical and computer engineering, or mechanical engineering; students pursuing an integrated undergraduate/graduate program must complete the requirements for the minor within one year after completing the undergraduate requirements of their program. For more information regarding the requirements for achieving a minor, including a comprehensive list of minors, please visit the [Minors and Certificate Programs](#) section of the *Undergraduate Catalog*. Details about the minor in Materials Science and Engineering are available at <http://tmi.utexas.edu/academics/undergraduate-minor-materials-science-engineering/>.

Admissions

To be considered for admission into the Minor Program for Materials Science and Engineering, students must meet the following requirements:

- The minor must be completed in conjunction with an undergraduate degree in one of the seven supported majors of chemistry, physics, aerospace engineering, biomedical engineering, chemical engineering, electrical and computer engineering, or mechanical engineering.
- Students must have completed M 408C, M 408D, M 427J, CH 301, PHY 303K and PHY 303L, or equivalent and all with a grade of C- or higher.
- Students who have completed 30 hours or more and have not taken more than 60 hours will be encouraged to apply online at the earliest possible date. Applications will be reviewed continuously throughout the year.

Total Hours Required: 15

Requirements

Requirements are listed in the table below. Additional requirements may follow the table, so be sure to read the entire page. Some required courses listed below may also satisfy [General Education](#) requirements, including [Core Curriculum](#). Students should also review the [University's Undergraduate Minor and Certificate Requirements and Policies](#).

Code	Title	Hours
MSE 360M	Experiments in Materials Science and Engineering	3
M E 310T	Applied Thermodynamics	3
ASE 357	Mechanics of Composite Materials	3
ASE 324L	Aerospace Materials Laboratory	3
M E 349	Corrosion Engineering	3
or M E 336	Materials Processing	
Total Hours		15

Additional Requirements and Policy

- All students who are pursuing a minor in Materials Science and Engineering will be required to take a three-credit hour, laboratory-based bridge course (MSE 360M). The remainder of the required courses will be specific to the major degree.
- If students are interested in additional coursework, they can see <http://tmi.utexas.edu/academics/undergraduate-minor-materials-science-engineering/> for a complete list of courses that would serve as optional electives. Courses beyond 15 hours are not required for the completion of the minor.
- All classes must be taken on the letter-grade basis. The student must earn a combined grade point average of at least 2.00 in these courses.