

Materials Science and Engineering for Biomedical Engineering Majors Minor

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
BME 335	Engineering Probability and Statistics	3
Hours chosen from:		3
BME 359	Cellular and Molecular Biomechanics	
BME 362C	Advanced Engineering Biomaterials	
BME 363	Bioelectronics and Biointerfaces	
BME 364	Biological Responses to Medical Devices	
BME 373	Tissue, Scaffold, and Cell Biomechanics Applications	
BME 379	Tissue Engineering	
CHE 355	Introduction to Polymers	
Hours chosen from:		3
BME 356	Polymer and Bioconjugate Chemistry	
ECE 339	Solid-State Electronic Devices	
ECE 334K	Quantum Theory of Electronic Materials	
Hours chosen from:		3
ASE 357	Mechanics of Composite Materials	
M E 336	Materials Processing	
M E 349	Corrosion Engineering	
M E 359	Materials Selection	
M E 378K	Mechanical Behavior of Materials	
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.