M.S. in Biomedical Engineering

The M.S. program will include:

- 19 credit hours of core biomedical engineering courses
- 3 credit hours of technical electives
- 2 credit hours of seminars, with additional BME 5001 seminar courses recommended each semester in the program and a maximum of four
- 6 thesis credit hours

Applicants from countries where English is not the first language are required to demonstrate English proficiency. Please consult the graduate school (http://catalog.utep.edu/admissions/graduate/graduate-student/) website for required scores.

Degree Plan

Required Credits: 30

Code	Title	Hours
MS in Biomedical Engineering (All courses require a grade of C or better)		
Required Courses:		
BME 5101 & BME 5102	Research Seminar I and Research Seminar II	2
BME 5001	Graduate Seminar	0
BME 5305	Physiology for Biomedical Eng	3
BME 5192	Clinical Rotations for Eng	1
BME 5196	Medical Device Practicum	1
BME 5301	BME for Global Health	3
BME 5304	BME Device Design & Regulation	3
DRSC 5495	Anatomy for Health Sciences	4
BME 5314	BME Entrepreneurship	3
BME 5193	Graduate Clinical Research	1
Thesis/Non-Thesis Option:		
Select one sequence below:		9
Thesis Option:		
BME 5398 & BME 5399	Thesis and Thesis	
Select three additional hours of graduate work		
Non-Thesis Option:		
BME 5394	Graduate Research	
or BME 5395	Project or Internship	
An exit examination is required for the non-thesis option; thesis defense is required for the thesis option.		
Select six additional hours from one of the following tracks		
Total Hours		**30**

Tracks

Biomedical Devices Track

Code	Title	Hours
BME 5302	Telemedicine & Imaging Info.	3
BME 5351	Physiological Measurements	3
BME 5353		3
Total Hours		**9**

Regenerative Medicine Track

Code	Title	Hours
BME 5310	Biomaterials	3
BME 5312		3
BME 5313	Tissue Engineering	3
Total Hours		**9**

Rehabilitation Track

Code	Title	Hours
BME 5320		3
BME 5321	Biomechatronics	3
BME 5323		3
Total Hours		**9**