

## PhD - BME Program

### UT Health SA Prescribed (Recommended) Elective Courses:

BIME 6003	Introduction to Clinical Practices (spring)	1 credit hour
CSAT 5022	Interprofessional Human Gross Anatomy (spring)	5.5 credit hours
INTD 5007	Advanced Cell and Molecular Biology (spring)	4 credit hours
INTD 5040	Fundamentals of Neuroscience I (spring)	2 credit hours
MICR 5051	Introduction to Immunology (fall)	2 credit hours
PHAR 5013	Principles of Pharmacology (spring)	3 credit hours
RADI 6016	Physics of Diagnostic Imaging II (spring)	3 credit hours
RADI 6051	Statistical Parametric Imaging (fall)	3 credit hours

### UTSA Prescribed (Recommended) Elective Courses:

BIO 5433	Systems Neuroscience (fall)	3 credit hours
BIO 5483	Computational Neuroscience (fall)	3 credit hours
BME 6053	Independent Study in Biomedical Engineering (f/s*)	3 credit hours
BME 6093	Topics in Biomedical Engineering (f/s*)	3 credit hours
BME 6123	Medical Device Design (f/s*)	3 credit hours
BME 6213	Cellular Engineering (fall)	3 credit hours
BME 6743	Fundamentals of Biophotonics (fall)	3 credit hours
BME 6893	Topics in Biomechanics (fall)	3 credit hours
BME 6933	Tissue-Biomaterials Interactions (spring)	3 credit hours
BME 6963	Fundamentals to Polymer Science with Select Biomedical Applications (spring)	3 credit hours
ME 5713	Mechanical Behavior of Materials (spring)	3 credit hours

*\*f/s indicates that the course is offered during both fall and spring semesters*

*Please note that other courses may be accepted with approval from the Graduate Advisor of Record or Program Directors. The courses taken by students are intended to focus and support the individual's mastery of his or her particular area of specialization.*

## MS - BME Program

### UT Health SA Prescribed (Recommended) Elective Courses:

BIME 6003	Introduction to Clinical Practices (spring)	1 credit hour
CSAT 5022	Interprofessional Human Gross Anatomy (spring)	5.5 credit hours
CSAT 5095	Experimental Design and Data Analysis (spring)	3 credit hours
INTD 5007	Advanced Cell and Molecular Biology (spring)	4 credit hours
INTD 5040	Fundamentals of Neuroscience (spring)	2 credit hours
MICR 5051	Introduction to Immunology (fall)	2 credit hours
PHAR 5013	Principles of Pharmacology (spring)	3 credit hours
RADI 5015	Physics of Diagnostic Imaging I (fall)	3 credit hours
RADI 6016	Physics of Diagnostic Imaging II (spring)	3 credit hours
RADI 6051	Statistical Parametric Imaging (fall)	3 credit hours

### UTSA Prescribed (Recommended) Elective Courses:

BME 6053	Independent Study in Biomedical Engineering (f/s*)	3 credit hours
BME 6093	Topics in Biomedical Engineering (f/s*)	3 credit hours
BME 6123	Medical Device Design (f/s*)	3 credit hours
BME 6213	Cellular Engineering (fall)	3 credit hours
BME 6743	Fundamentals of Biophotonics (fall)	3 credit hours
BME 6893	Topics in Biomechanics (fall)	3 credit hours
BME 6933	Tissue-Biomaterials Interactions (spring)	3 credit hours
BME 6963	Fundamentals to Polymer Science with Select Biomedical Applications (spring)	3 credit hours
ME 5713	Mechanical Behavior of Materials (spring)	3 credit hours
MOT 5163	Management of Technology (f/s*)	3 credit hours
MOT 5243	Essentials of Project and Program Management (f/s*)	3 credit hours

*\*f/s indicates that the course is offered during both fall and spring semesters*

*Please note that other courses may be accepted with approval from the Graduate Advisor of Record or Program Directors. The courses taken by students are intended to focus and support the individual's mastery of his or her particular area of specialization.*