

NEW JERSEY INSTITUTE OF TECHNOLOGY
 Department of Biomedical Engineering
 Curriculum Form
 Biomechanics Track [Students Entering Fall 2014 - present]

NAME: _____ ID# _____ YEAR ENTERED: _____ DATE: _____

A minimum of 133 credits, including a minimum of 50 engineering credits, are required for the BS BME Degree.

Freshman	FALL	16-17 Credits	MATH 111 (4.0.4) Calculus I Prereq = None	PHYS 111 (3.0.3) Physics I Prereq = None	PHYS 111A (0.2.1) Physics I Lab Prereq = None	CHEM 125 (3.0.3) Chemistry I Prereq = None	HUM 101 (3.0.3) Eng. Comp. I Prereq = None	BME 101 (1.0.0) ^F Intro to BME Prereq = None	BME 111 (3.0.3) ^A Intro Human Phys Prereq = None
	SPRING	17-18 Credits	MATH 112 (4.0.4) Calculus II MATH 111	PHYS 121 (3.0.3) Physics II PHYS 111	PHYS 121A (0.2.1) Physics II Lab MATH 111 & PHYS 111	CHEM 124 (0.2.1) Chemistry Lab CHEM 125	CHEM 126 (3.0.3) Chemistry II CHEM 125	HUM 102 (3.0.3) Eng. Comp. II HUM 101	FED 101 (2.1.2) ^A Fund Engr Design Prereq = None
Sophomore	FALL	17 Credits	MATH 211 (3.0.3) Calculus III MATH 112	MATH 279 (2.0.2) or MATH 333 (3.0.3) Prob & Stats MATH 112	CS 101 or BIOINF 135 (3.0.3) Comp Program Prereq = None	HUM/HIS 2____ (3.0.3) HIST GUR HUM 102	BME 301 (1.4.3) ^B Fundament. BME C in MATH 112, PHYS 121	BME 303 (1.4.3) ^B Fundament. BME C in BME 111, CHEM 126	CRS ID: Title (XXX) Prereq = None
	SPRING	17 Credits	MATH 222 (4.0.4) Diff. Equations MATH 112	CHEM 243 (3.0.3) Organic Chemistry I CHEM 126	____ 2____ (3.0.3) SS LL GUR:ECON/EPS/STS None OR HUM 102	PE 1____/2____ (0.1.1) Physical Education Prereq = None	BME 302 (1.4.3) ^B Fundament. BME C in MATH 112, PHYS 121	BME 304 (1.4.3) ^B Fundament. BME C in BME 111, CHEM 126	CRS ID: Title (XXX) Prereq = None
Junior	FALL	17 Credits	MATH 337 (3.0.3) Linear Algebra MATH 112	MECH 236 (2.0.2) Dynamics MECH 234 OR MECH 235 (OR BME 302)	BME 321 (3.0.3) Adv Mechanics for BME MATH 112 & PHYS 111	MGMT 390 (3.0.3) Principles Of MGMT Junior Standing	____ 2____ (3.0.3) SS LL GUR: ECON/EPS/STS None OR HUM 102	BME 310 (3.1.3) ^A Biomed Computing C in BME 111, C in BME301 & CS 101	CRS ID: Title (XXX) Prereq = None
	SPRING	16 Credits	HUM 3____ (3.0.3) Open Hum 3xx HUM 102 & HUM/HIST 2xx	PE 1____/2____ (0.1.1) Physical Education Prereq = None	BME 351 (3.0.3) ^S Intro Bio* uid Mech C in BME 111, BME 302, MECH 236, & MECH 320	BME 382 (2.3.3) ^A Eng Mod. Phys Sys BME 301, BME 302, & MATH 222, C in BME111	BME 384 (1.4.3) ^S Biomechanics Lab C in BME 111, BME 302, MATH 279, MECH 236, MECH 320, & CS 101	____ (3.0.3) Eng Track Elective Various	CRS ID: Title (XXX) Prereq = None
Senior	FALL	18 Credits	____ 3____ (3.0.3) HUM GUR/LIT/HIST/PHIL/STS HUM 102 & HUM/HIST 2xx	____ (3.0.3) Eng Track Elective Various	____ (3.0.3) Non-Eng Track Elect. Various	BME 383 (1.4.3) ^A Meas Lab Phys Sys BME 302, BME 310, & MATH 279	BME 451 (3.0.3) ^F Biomechanics I MECH 236 & MECH 320	BME 495 (2.3.3) ^F Capstone Design I BME 372 OR MTSE 301 OR (MECH 236 & MECH 320)	CRS ID: Title (XXX) Prereq = None
	SPRING	15 Credits	HSS 4____ (3.0.3) HSS GUR HUM 102 & HUM/HIST 2xx	____ (3.0.3) Non-Eng Track Elect. Various	BME 452 (3.0.3) ^S Mech. B&P of Biomat. BME 302, BME 304, MATH 222, MATH 337, & MECH 320	BME 478 (3.0.3) ^S Intro CAD for Biomech BME 302 & MECH 320	BME 496 (1.4.3) ^S Capstone Design II BME 495	CRS ID: Title (XXX) Prereq = None	CRS ID: Title (XXX) Prereq = None

Student's Signature / Date

Adviser's Signature / Date

Pairs of courses with yellow in between them are interchangeable between the indicated semesters

Superscript Legend: A - Fall, Spring, & Summer, B - Fall & Spring, F - Fall Only, S - Spring Only