

NEW JERSEY INSTITUTE OF TECHNOLOGY
 Department of Biomedical Engineering
 Curriculum Form
 Bioinstrumentation 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	F A L L 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
	S P R I N G 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	F A L L 17 Credits	MATH 211 (3.0.3) Calculus III MATH 112	MATH 279 (2.0.2) Prob & Stats MATH 112	CS 101 (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 BME 111, MATH 112, & PHYS 121	BME 303 (1.4.3)^B Fundament. BME C in BME 111, CHEM 126, & PHYS 121	CRS ID: Title (XXX) Prereq = None
	S P R I N G 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 BME 111, MATH 112, & PHYS 121	BME 304 (1.4.3)^B Fundament. BME C in BME 111, CHEM 126, & PHYS 121	CRS ID: Title (XXX) Prereq = None
Junior	F A L L 18 Credits	MATH 337 (3.0.3) Linear Algebra MATH 112	ECE 251 (3.1.3) Digital Design PHYS 121	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 301 & CS 101	BME 372 (3.0.3)^F Biomedical Electronics BME 301	BME 382 (2.3.3)^A Eng Mod. Phys Sys BME 301, BME 302, & MATH 222	CRS ID: Title (XXX) Prereq = None
	S P R I N G 18 Credits	HUM 3 (3.0.3) Open Hum 3xx HUM 102 & HUM/HIST 2xx	ECE 252 (3.0.3) Microprocessors ECE 251	(3.0.3) Eng Track Elective Various	BME 333 (3.0.3)^S Biomed Signals & Sys. BME 310 & MATH 222	BME 373 (3.0.3)^S Biomed. Electronics II BME 372	BME 383 (1.4.3)^A Meas Lab Phys Sys BME 302, BME 310, & MATH 279	CRS ID: Title (XXX) Prereq = None
Senior	F A L L 16 Credits	3 (3.0.3) GUR (LIT.HIST.PHIL.STS) HUM 102 & HUM/HIST 2xx	PE 1_/2_ (0.1.1) Physical Education Prereq = None	BME 386 (1.4.3)^F Bioinstrumentation Lab BME 372, ECE 251, & MATH 279	BME 489 (3.0.3)^F Medical Instrumentation BME 310, BME 372, & ECE 251	BME 495 (2.3.3)^F Capstone Design I BME 372 OR MTSE 301 OR (MECH 236 & MECH 320)	(3.0.3) NonEng Track Elec Various	CRS ID: Title (XXX) Prereq = None
	S P R I N G 15 Credits	HSS 4 (3.0.3) HSS GUR HUM 102 & HUM/HIST 2xx	MGMT 390 (3.0.3) Principles Of MGMT Junior Standing	BME 496 (1.4.3)^S Capstone Design II BME 495	(3.0.3) NonEng Track Elec Various	(3.0.3) NonEng Track Elec Various	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