

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

NAME: \_\_\_\_\_ ID# \_\_\_\_\_ YEAR ENTERED: \_\_\_\_\_ DATE: \_\_\_\_\_

A minimum of 128 credits, including a minimum of 50 engineering credits, are required for the BS BME Degree.

<b>FRESHMAN</b>	<b>FALL</b>	<b>MATH 111 (404)</b> Calculus I Completed = _____ Prereq = None	<b>PHYS 111 (303) and PHYS 111A (021)</b> Physics I Completed = _____ Prereq = None	<b>FED 101 (212)<sup>A</sup></b> Fund Engr Design Completed = _____ Prereq = None	<b>CHEM 125 (303)</b> Chemistry I Completed = _____ Prereq = None	<b>HUM 101 (303)</b> Eng. Comp. I Completed = _____ Prereq = None	<b>BME 111 (303)<sup>A</sup></b> Intro Human Phys Completed = _____ Prereq = None	<b>BME 102 (011)</b> Completed = _____ Prereq = None
	<b>SPRING</b>	<b>MATH 112 (404)</b> Calculus II Completed = _____ MATH 111	<b>PHYS 121 (303) and PHYS 121A (021)</b> Physics II Completed = _____ MATH 111 & PHYS 111	<b>CS 101 (303)</b> Comp Program Completed = _____ Prereq = None	<b>CHEM 124 (021)</b> Chemistry Lab Completed = _____ CHEM 125	<b>CHEM 126 (303)</b> Chemistry II Completed = _____ CHEM 125	<b>HUM 102 (303)</b> Eng. Comp. II Completed = _____ HUM 101	
	<b>SUMMER</b>	<b>STS 210 (303)</b> Psychology Completed = _____ None	<b>MATH 279 (202)</b> Prob & Stats Completed = _____ MATH 112	<b>R120:102 (404)</b> Rutgers Biology 2 Completed = _____ Prereq = None	<b>CHEM 243 (303)</b> Organic Chemistry I Completed = _____ Chem 126			
<b>SOPHOMORE</b>	<b>FALL</b>	<b>MATH 211 (303)</b> Calculus III Completed = _____ MATH 112	<b>R120:101 (404)</b> Rutgers Biology 1 Completed = _____ Prereq = None	<b>CHEM 244 (303) and CHEM 244A</b> Organic Chem. Completed = _____ CHEM 126	<b>BME 301 (143)<sup>B</sup></b> Completed = _____ C in BME 111, MATH 112, & PHYS 121	<b>BME 302 (143)<sup>B</sup></b> Completed = _____ C in BME 111, MATH 112, & PHYS 121	<b>BME 304 (143)<sup>B</sup></b> Completed = _____ C in BME 111, CHEM 126, & PHYS 121	
	<b>SPRING</b>	<b>MATH 222 (404)</b> Diff. Equations Completed = _____ MATH 112	<b>CHEM 473 (303)</b> Biochemistry Completed = _____ CHEM 243	<b>HIST GUR (303)</b> Completed = _____	<b>BME 310 (313)<sup>A</sup></b> Biomed Computing Completed = _____ C in BME 301 & CS 101	<b>Eng Elect (303)<sup>A</sup></b> Completed = _____ Various	<b>Eng Elect (303)<sup>A</sup></b> Completed = _____ Various	
	<b>SUMMER</b>	<b>STS 221 (303)</b> Sociology Completed = _____ None OR HUM 102	<b>HUM GUR (303)</b> Completed = _____ HUM 102 & HUM/HIST 2xx	<b>BME 491</b> Research and Indep Study Completed = _____ Prereq = None				
<b>JUNIOR</b>	<b>FALL</b>	<b>BME 382 (233)<sup>B</sup></b> Eng Mod. Phys Sys Completed = _____ BME 301, BME 302, & MATH 222	<b>BME 495 (233)<sup>F</sup></b> Capstone Design I Completed = _____ BME 372 OR MTSE 301 OR (MECH 236 & MECH 320)	<b>Eng Elect (303)</b> Completed = _____ Various	<b>Eng Elect (303)</b> Completed = _____ Various	<b>Eng Elect (303)</b> Completed = _____ Various	<b>PE 1xx/2xx (011)</b> Completed = _____ Prereq = None	
	<b>SPRING</b>	<b>MGMT 390 (303)</b> Principles Of MGMT Completed = _____ Junior Standing	<b>BME 383 (143)<sup>A</sup></b> Meas Lab Phys Sys Completed = _____ BME 302, BME 310, & MATH 279	<b>BME 496 (143)<sup>S</sup></b> Capstone Design II Completed = _____ BME 495	<b>HSS GUR (303)</b> Completed = _____ HUM 102 & HUM/HIST 2xx	<b>Eng Elect (303)</b> Completed = _____ Various	<b>PE 1xx/2xx (011)</b> Completed = _____ Prereq = None	
	<b>SUMMER</b>							

\_\_\_\_\_  
Student's Signature / Date

\_\_\_\_\_  
Adviser's Signature / Date

Courses connected by a thick black bar are interchangeable between the indicated semesters

The (XXX) following each Course ID indicates the number of hours of lecture, hours of lab, and the total number of course credits, respectively.

<sup>A</sup> = Elective Appropriate for Capstone

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