

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.

Freshman	F A L L	MATH 111 (404) Calculus I Completed = Prereq = None	PHYS 111 (303) and PHYS 111A (021) Physics I Completed = Prereq = None	FED 101 (212) <sup>A</sup> Fund Engr Design Completed = Prereq = None	CHEM 125 (303) Chemistry I Completed = Prereq = None	HUM 101 (303) Eng. Comp. I Completed = Prereq = None	BME 111 (303) <sup>A</sup> Intro Human Phys Completed = Prereq = None	BME 102 (011) Completed = Prereq = None
	S P R I N G	MATH 112 (404) Calculus II Completed = MATH 111	PHYS 121 (303) and PHYS 121A (021) Physics II Completed = MATH 111 & PHYS 111	CS 101 or BIOINF 135 (3.0.3) Comp Program Completed = Prereq = None	CHEM 124 (021) Chemistry Lab Completed = CHEM 125	CHEM 126 (303) Chemistry II Completed = CHEM 125	HUM 102 (303) Eng. Comp. II Completed = HUM 101	
	S U M M E R	STS 210 (303) Psychology Completed = None	MATH 279 (2.0.2) or MATH 333 (3.0.3) Prob & Stats Completed = MATH 112	R120:102 (404) Rutgers Biology 2 Completed = Prereq = None	CHEM 243 (303) Organic Chemistry I Completed = Chem 126			
Sophomore	F A L L	MATH 211 (303) Calculus III Completed = MATH 112	R120:101 (404) Rutgers Biology 1 Completed = Prereq = None	CHEM 244 (303) and CHEM244A Organic Chem. Completed = CHEM 126	BME 301 (143) <sup>B</sup> Completed = C in MATH 112 & PHYS 121	BME 302 (143) <sup>B</sup> Completed = C in MATH 112 & PHYS 121	BME 304 (143) <sup>B</sup> Completed = C in BME 111, CHEM 126	
	S P R I N G	MATH 222 (404) Diff. Equations Completed = MATH 112	CHEM 473 (303) Biochemistry Completed = CHEM 243	HIST GUR (303) Completed =	BME 310 (313) <sup>A</sup> Biomed Computing Completed = C in BME 111, C in BME301 & CS 101	Eng Elect (303) <sup>A</sup> Completed = Various	Eng Elect (303) <sup>A</sup> Completed = Various	
	S U M M E R	STS 221 (303) Sociology Completed = None OR HUM 102	HUM GUR (303) Completed = HUM 102 & HUM/HIST 2xx	BME 491 Research and Indep Study Completed = Prereq = None				
Junior	F A L L	BME 382 (233) <sup>B</sup> Eng Mod. Phys Sys Completed = C in BME 111, C in BME301 & CS 101	BME 495 (233) <sup>F</sup> Capstone Design I Completed = BME 372 OR MTSE 301 OR (MECH 236 & MECH 320)	Eng Elect (303) Completed = Various	Eng Elect (303) Completed = Various	Eng Elect (303) Completed = Various	PE 1xx/2xx (011) Completed = Prereq = None	
	S P R I N G	MGMT 390 (303) Principles Of MGMT Completed = Junior Standing	BME 383 (143) <sup>A</sup> Meas Lab Phys Sys Completed = BME 302, BME 310, & MATH 279	BME 496 (143) <sup>S</sup> Capstone Design II Completed = BME 495	HSS GUR (303) Completed = HUM 102 & HUM/HIST 2xx	Eng Elect (303) Completed = Various	PE 1xx/2xx (011) Completed = Prereq = None	
	S U M M E R							

\_\_\_\_\_  
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