

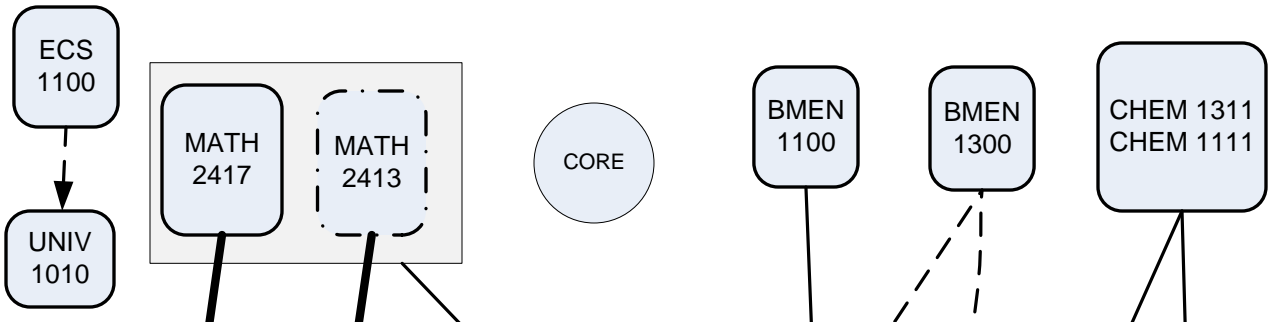
BS Biomedical Engineering Suggested Four Year Plan 2022 – 2023 Catalog

*Pre-Health Students should consult with their advisors about additional course options.

A grade of C- or better is required

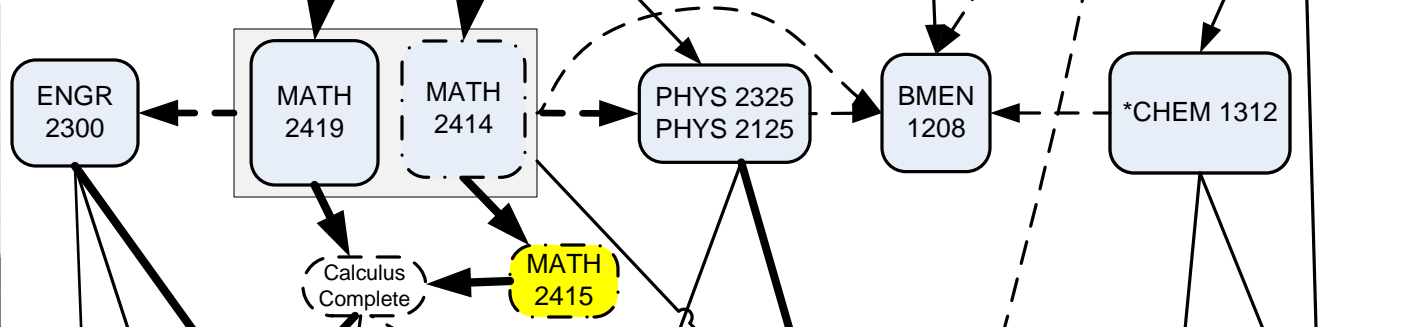
Freshman

Description	Course No
Introduction to Bioengineering I	BMEN 1100
Intro to Engineering	ECS 1100
Differential Calculus or Calculus I	MATH 2413 or 2417
General Chemistry I and Lab	CHEM 1311/1111
Intro. To Biomed Eng Computing	BMEN 1300
Freshman Seminar	UNIV 1010
3 hours CORE: see below	RHET 1302



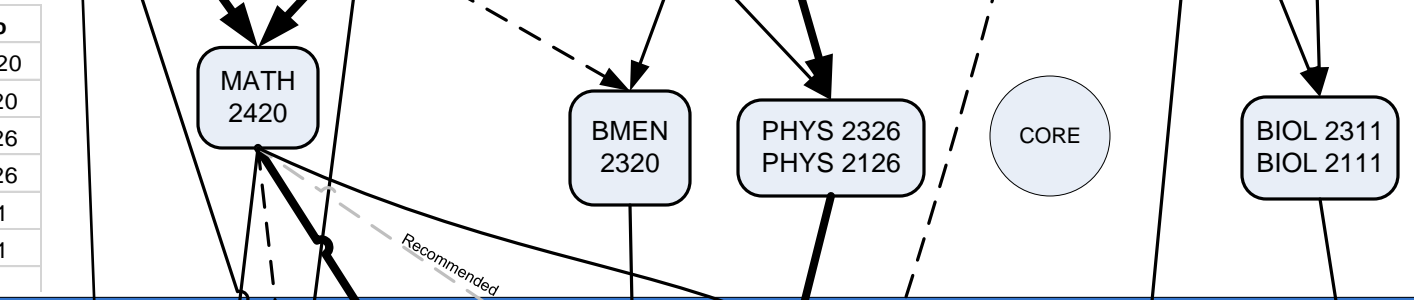
Freshman

Description	Course No
Intro to Bioengineering II	BMEN 1208
Integral Calculus or Calculus II	MATH 2414 or 2419
Intro Organic Chemistry for Engrs	CHEM 1312/1112
Mechanics and Heat	PHYS 2325
Physics I Lab	PHYS 2125
Linear Algebra for Engineers	ENGR 2300
Calculus of Several Variables (Summer)	MATH 2415



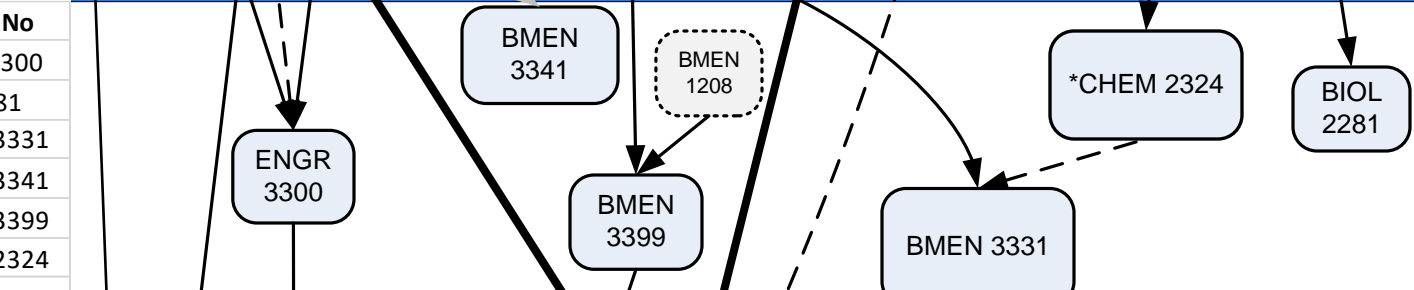
Sophomore

Description	Course No
Statics	BMEN 2320
Differential Equations	MATH 2420
Electromagnetism and Waves	PHYS 2326
Physics Lab II	PHYS 2126
Intro to Modern Biology I	BIOL 2311
Intro to Modern Biology I Workshop	BIOL 2111
3 hours CORE: Choices Below	



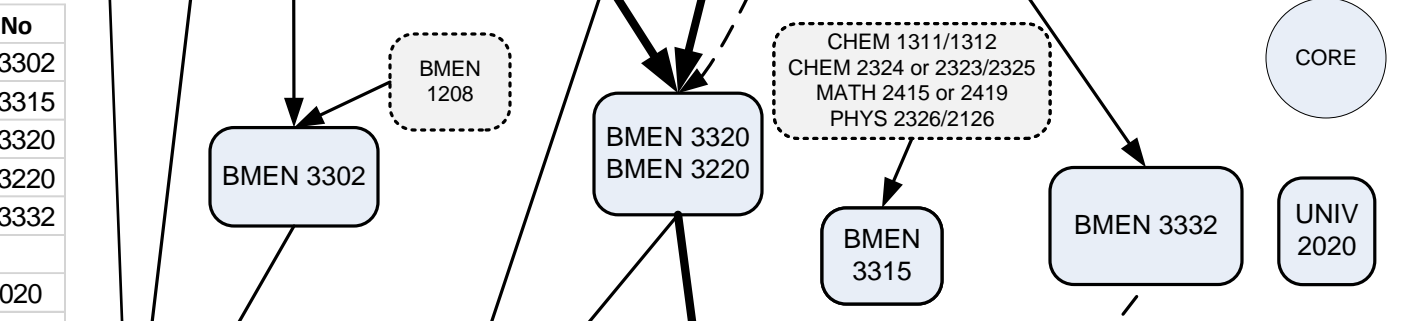
Sophomore

Description	Course No
Advanced Engineering Math	ENGR 3300
Introductory Biology Lab	Biol 2281
Cell and Molecular Engineering	BMEN 3331
Probability & Statistics for BMEN	BMEN 3341
Introductory Biomechanics	BMEN 3399
Intro Organic Chemistry for Engineers	CHEM 2324



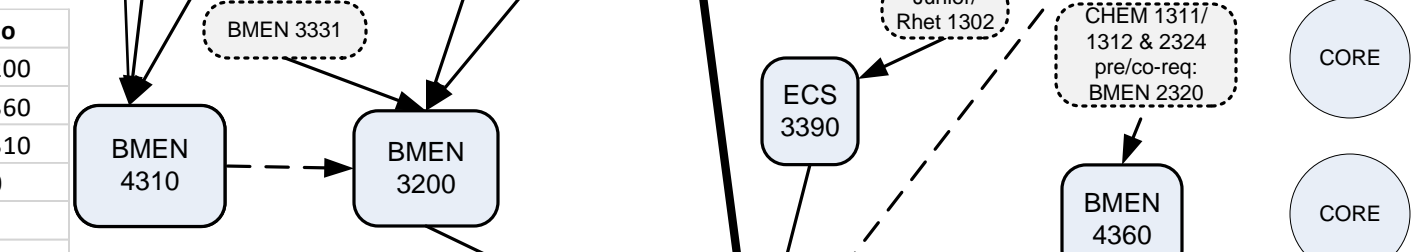
Junior

Description	Course No
Bioengineering Signals and Systems	BMEN 3302
Thermo and Physical Chem for BMEN	BMEN 3315
Electrical/Electronic Circuits in BMEN	BMEN 3320
Electrical/Electronic Ciruits Lab	BMEN 3220
Quantitative Physiology for Engineers	BMEN 3332
3 hours CORE: Choices Below	
Core Curriculum Assessment	UNIV 2020



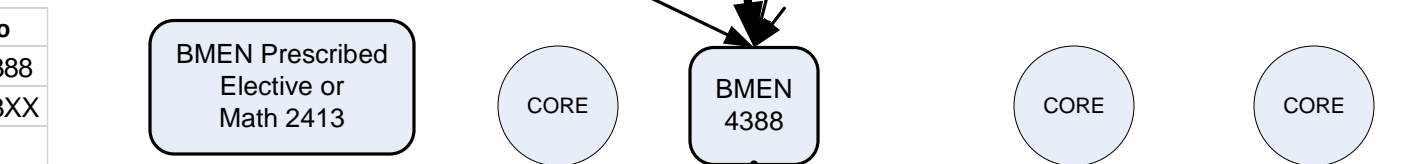
Junior

Description	Course No
BMEN Fundements and Design	BMEN 3200
Biomaterials and Medical Devices	BMEN 4360
Feedback Systems in Biomedical Eng	BMEN 4310
Professional & Technical Comm	ECS 3390
6 hours CORE: Choices Below	



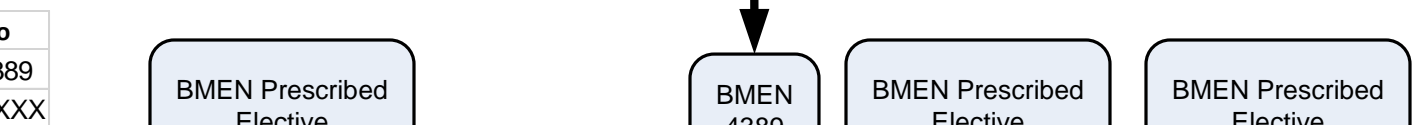
Senior

Description	Course No
Senior Design Project I	BMEN 4388
3 hours BMEN Prescribed Elective	BMEN 43XX
9 hours CORE: Choices Below	



Senior

Description	Course No
Senior Design Project II	BMEN 4389
9 hours BMEN Prescribed Elective	BMEN XXXX



Core Choices

Rhet 1302	3 hours From:	3 hours From:	6 hours From:	3 hours From:
Govt 2305 Govt 2306	Ahst 1303, 1304, 2331 Arts1301 Danc 1310 Film 2332 Musi 1306 Thea 1310	Ams 2300, 2341 Huma 1301 Lit 2331 Phil 1301 Phil 1316, 1317	Hist 1301 Hist 1302 Hist 2301 Hist 2330 Hist 2332	ECON 2301 ECON 2302 PSY 2301 PSY 2314 SOC 1301 SOC 2300

Courses may be taken in any order, as long as prerequisites are met.

LEGEND

