

Name: _____ Phone: _____ New to OSU: _____ email: _____@osu.edu

YEAR	AUTUMN	WINTER	SPRING
1	Math 151 (Calc & Analyc Geom)5 Chem. 121 (Gen Chem.)5 Engr 181 (Intro to Engr I).....3 Engr 100. (Engr Survey).....1	Math 152(Calc & Analyc Geom)..... 5 Chem. 122 (Gen Chem) 5 Physics 131 (Particles & Motion) ... 5 Engr 183 (Intro to Engr II)..... 3	Math 153 (Calc & Analyc Geom)..... 5 Chem. 123 (Gen Chem) 5 Physics 132 (Elect and Magt.) 5 GEC 1 (English 110.) 5
2	Math 254 (Calc & Analyc Geom)5 Physics 133 (Electrodyn & Quant) ..5 Biol 113/115 (General Biology/Lab) 5 ME 410 (Statics).....4	Math 415 (Ord & Part Diff Equ)..... 4 ME 420 (Intro Strength Mat) 4 BME 202 (Intro BME) 3 BME 205 (Num. Simulations in BME)2 Chem. 251 (Organic Chem I) 3	Stat 427 (Prob and Stat I)..... 3 MSE 205 (Intro Mat Sci) 3 ME 500 (Fluid, Thermo, Heat) 4 Anat 220 (Human Anatomy Lab)..... 2 Chem. 252 (Organic Chem II) 3
3	Bio 114 (General Biology/Lab II)5 EEOB 232 (Intro Physiology)5 GEC 2 (2 nd writing)5 Chem 253 (Organic Chem III).....3	EEOB 415 (Animal Cell & Develop). 4 BioChem 511 (Biochemistry) 5 GEC 3.....5 BME 402 (Meas & Instrum Lab)..... 2 BME 4X1 [†] (Domain 1) 4	GEC 4 5 BME 403 (Quantitative Physiology) . 4 BME 4X1 [†] (Domain 2) 4 BME 4X1 [†] (Domain 3) 4 Chem. 254 (Organic Chem Lab) 3
4	ECE 300 (Circuits)3 ECE 309 (Circuits Lab)..... 1 BME 501 (Design I)4 BME 503 (Professional Development)1 BME 581.1 (Seminar)0 ††BME 6/7/xx 1 or *Prof E 1 ...3 ††BME 6/7/xx 2 or *Prof E 2 ...3	GEC 5.....5 BME 502 (Design II) 5 BME 581.2 (Seminar) 0 ††BME 6/7/xx 1 or *Prof E 1 ... 3 Chem 255 (Organic Chem Lab II) ... 3	GEC 6 5 GEC 7 5 BME 581.3 (Seminar) 1 ††BME 6/7/xx 2 or *Prof E 2 ... 3 *Prof E 3 3

Courses printed in BOLD above are taught one quarter per year, including all BME courses.

Please check On-Line Course Offerings for availability of all courses.

GENERAL EDUCATION (35 hrs)

English & Communication Skills (10)
English 110.xx (5) _____
2nd Writing Course (5) _____
Writing in core () _____

Students must take 25 hours across Social Sciences, Historical Study, and Arts & Humanities with a minimum of 5 hours and maximum of 10 hours per category.

Historical Study (5-10)
 _____ () _____
 _____ () _____

Arts & Humanities (5-10)
 _____ () _____
 _____ () _____

Social Sciences (5-10)
 _____ () _____
 _____ () _____

ETHICS (5 Hours)
 (May overlap w/ a GEC category)
 _____ () _____

SOCIAL DIVERSITY
 (May overlap w/ a GEC category)
 _____ () _____

†BME Domain Courses (choose min of 3)

BME 411 (Bioimaging) _____
BME 421 (Biotransport) _____
BME 431 (Biomaterials) _____
BME 441 (Biomechanics) _____
BME 451 (Molecular, Cell and Tissue Eng) _____
BME 461 (Biomed micro/nano tech) _____

††BME Advanced Courses (choose 2) for focus following domain courses

BME 6/7/XX 1 _____
BME 6/7/XX 2 _____

***PROFESSIONAL ENGINEERING ELECTIVES (9 hrs)**

ProfE 1 (3) _____
ProfE 2 (3) _____
ProfE 3 (3) _____

Professional engineering electives **MUST** be an approved sequence of engineering courses allowing students to achieve professional goals (e.g., independent research, honors thesis, engineering minors, domain depth or breadth, etc.)

Credit hour distribution

General Education.....35
 Mathematics.....27
 Chemistry.....25
 Physics.....15
 Engineering Sciences.....26
 Life Sciences.....16
 BME Courses (Min).....40
 BME Core Courses22
 BME Domain Courses ...12
 Advanced BME Courses...6
 Professional Engineering Electives...9
 Total Engineering credits (min).....75
TOTAL HOURS193

Acceptance into the Biomedical Engineering major is limited and will depend on the outcome of the application process that includes information about cumulative point-hour ratio (CPHR) upon completion of the following pre-major courses: *Chemistry 121,122,123; Math 151,152, & 153, Physics 131,132, ENGR 181, 183, and essay.*

Formal admission to BME is required to take BME 202. Students are accepted into the major in Autumn quarter with the applications due in Spring

