Bioengineering Curriculum Map

Students should use this curriculum map as a guide to have a more informed discussion with the departmental academic advisor when selecting courses.
Students not taking courses as advised may result in a delayed graduation date.

First Year		*Second Year*		*Third Year*		*Fourth Year*	
17 hrs	16 hrs	17 hrs	15 hrs	16 hrs	14 hrs	17 hrs	16 hrs
BIOE 100 (1)	BIOE 120 (1)	BIOE 201 (3)	BIOE 202 (2)	BIOE 302 (3)	BIOE 310 (3)	BIOE 435 (2)	BIOE 436 (2)
CHEM 102 (3)	CHEM 104 (3)	BIOE 206 (3)	BIOE 205 (3)	BIOE 303 (2)	BIOE 360 (3)	Tech Elect (3)[7]	BIOE 420 (3)
CHEM 103 (1)	CHEM 105 (1)	CS 101 (3)[5]	BIOE 210 (3)	BIOE 476 (3)	BIOE 414 (3)[8]	Tech Elect (3)[7]	Tech Elect (3)[7]
MATH 221 (4)[1]	MATH 231 (3)	MATH 241 (4)	MATH 285 (3)	Free Elect (2)[6]	BIOE 415 (2)	Gen Ed Elect (3)[4]	Free Elect (3)[6]
ENG 100 (1)[2]	PHYS 211 (4)	PHYS 212 (4)	CHEM 232 (4)	Tech Elect (3)[7]	Tech Elect (3)[7]	Gen Ed Elect (3)[4]	Free Elect (3)[6]
RHET 105 (4)[3,4]	MCB 150 (4)[3]			Gen Ed Elect (3)[4]		Free Elect (3)[6]	Free Elect (2)[6]
Gen Ed Elect (3)[4]							

[1]MATH 220 may be substituted. MATH 220 is appropriate for students with no background in calculus. 4 of 5 credit hours count towards degree.

[2]External transfer students take ENG 300.

[3]RHET 105 (or an alternative Composition I sequence) is taken either in the first or second semester of the first year, according to the student's UIN (Spring if UIN is Odd). MCB 150 is taken in the other semester. Composition I guidelines can be found at http://catalog.illinois.edu/general-information/degree-general-education-requirements/ under Written Communication Requirement.

[4] General education: Students must complete the Campus General Education requirements including the campus general education language requirement (https://courses.illinois.edu/gened/DEFAULT/DEFAULT).

[5]Students choose whether to take BIOE 198 (MI) in second semester or CS 101 or CS 124 in third semester.

[6]Additional coursework, subject to the Grainger College of Engineering restrictions to Free Electives, so that there are at least 128 credit hours earned toward the degree (go.grainger.illinois.edu/FreeElectives).

[7]Technical elective credits totaling 15 hours, selected from dept approved list, can be found at http://catalog.illinois.edu/undergraduate/engineering/bioengineering-bs/#degreerequirementstext.

[8]Prerequisite for BIOE 414 is either BIOE 205, ECE 205 or ECE 210.

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