

Agricultural & Biological Engineering, Biological Engineering Concentration 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.

| Freshman | | Sophomore | | Junior | | Senior | |
|-------------------------------|-------------------------|--------------------------|---------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| 15-16 hrs | 16-17 hrs | 17-18 hrs | 17-18 hrs | 16 hrs | 16 hrs | 14 hrs | 14-16 hrs |
| MATH 221 (4) | MATH 231 (3) | MATH 241 (4) | MATH 285 (3) | ABE 341 (3) | CHBE 321 (4) | ABE 430 (2) | ABE 469 (4) ⁸ |
| CHEM 102 (3) | CHEM 104 (3) | PHYS 212 (4) | PHYS 213 (2) | ABE Tech Elec (3) ⁵ | Bio, NS Elect (3) ⁷ | ABE Tech Elec (3) ⁶ | Bio, NS Elect (3) ⁷ |
| CHEM 103 (1) | CHEM 105 (1) | TAM 210 (2) ³ | TAM 212 (3) | ECE 205 (3) | ABE Tech Elec (3) ⁶ | Tech Elec (3) ⁶ | Tech Elec (3) ⁶ |
| ENG 100 (0) | PHYS 211 (4) | CS 101 (3) | MATH 225 (2) | MCB 150 (4) | Gen Ed Elect (3) ² | Gen Ed Elect (3) ² | Gen Ed Elect (3) ² |
| RHET 105 (4) ¹ | SE 101 (3) ¹ | ABE 223 (2) | ABE 225 (2) | Gen Ed Elect (3) ² | Gen Ed Elect (3) ² | Free Elec (3) | Free Elec (3) |
| ABE 100 (1) | ABE 141 (2) | ABE 224 (2) | ABE 226 (2) | | | | |
| Gen Ed Elect (3) ² | | | CHEM 232 (3) ⁴ | | | | |

¹RHET 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 your UIN is Odd). SE 101 is taken the other semester. Composition I guidelines can be found at <http://catalog.illinois.edu/general-information/degree-general-education-requirements/> under Written Communication Requirement.

²Students must take 6 hours from the campus General Education Social and Behavioral Sciences list, 6 hours from campus General Education Humanities and the Arts list, and 6 hours from a liberal education list approved by the college or from the campus General Education lists for Social and Behavioral Sciences or Humanities and the Arts. ECON 102, ECON 103, or ACE 100 must be one of the Social and Behavioral Sciences courses. Students must also complete the campus cultural studies requirement by completing (i) one western/comparative culture(s) course, (ii) one non-western culture(s) course, and (iii) one U.S. Minority Culture(s) course from the General Education cultural studies lists. Most students select general education courses that simultaneously satisfy these cultural studies requirements.

³Students can take TAM 210 or TAM 211. The extra hour of credit for this course may be used to help meet free elective requirements.

⁴Students may take this course for 4 credit hours; the extra hour may be used to help meet free elective requirements.

⁵For students who plan to take ChBE 321, students must take ChBE 221 to fulfill the prerequisite requirement.

⁶Agricultural and biological engineering technical elective. Students must complete 15 hours of Technical Electives, chosen in consultation with an advisor. At least 8 hours must be Agricultural and Biological Engineering Technical Electives. Must complete at least one course with a laboratory component. <https://abe.illinois.edu/undergraduate/technical-electives>

⁷Students must complete 6 hours from the approved list of Biological and Natural Sciences Electives. <https://abe.illinois.edu/undergraduate/biological-natural-sciences-electives>

⁸ABE 469 satisfies the Advanced Composition requirement.