

Materials Science Curriculum Map - Non Biomaterials Area

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.

| <i>Freshman</i> | | <i>Sophomore</i> | | <i>Junior</i> | | <i>Senior</i> | |
|---------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|---------------------------------|---------------------------------|
| 13-14 hrs | 17-18 hrs | 17 hrs | 15 hrs | 15 hrs | 18 hrs | 15 hrs | 18 hrs |
| MATH 221 (4) | MATH 231 (3) | MATH 241 (4) | MATH 285 (3) | IE 300 (3) ⁴ | MSE 304 (3) | Topical Lect (3) ^{6,7} | Topical Lect (3) ^{6,7} |
| CHEM 102 (3) | CHEM 104 (3) | CS 101 (3) | ECE 205 (3) | MSE 307 (3) ⁵ | MSE 308 (3) ⁵ | MSE 404 (3) | MSE 404 (3) |
| CHEM 103 (1) | CHEM 105 (1) | PHYS 212 (4) | PHYS 214 (2) | MSE 401 (3) | MSE 402 (3) | Topical Lect (3) ^{6,7} | MSE 395 (3) |
| MSE 182 (2) | MSE 183 (1) ² | MSE 201 (3) | MSE 206 (4) | MSE 406 (3) | MSE 405 (3) | Tech Elect (3) ⁸ | Tech Elect (3) ⁸ |
| RHET 105 (4) ¹ | Gen Ed Elect (3) ³ | Gen Ed Elect (3) ³ | Gen Ed Elect (3) ³ | Gen Ed Elect (3) ³ | Topical Lect (3) ⁶ | Free Elect (3) | Gen Ed Elect (3) ³ |
| ENG 100 (0) | PHYS 211 (4) | | | | Gen Ed Elect (3) ³ | | Free Elect (3) |
| | MATH 225 (2) | | | | | | |

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). General Education elective 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.

²This optional course is highly recommended for freshmen, who may use it to help meet free elective requirements.

³Students 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. 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.

⁴Student can take IE 300 or STAT 400

⁵Advanced Composition is satisfied by completing MSE 307 and MSE 308.

⁶To be selected from list of topical lecture courses based on chosen focus area, approved by the department

⁷During fourth year, recommended to incorporate internship, co-op and research project during summers or academic semester or both.

⁸6 hours from departmental approved list.