

## Materials Science Curriculum Map - 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	16 hrs	15 hrs	17 hrs	18 hrs
MATH 221 (4)	MATH 231 (3)	MATH 241 (4)	MATH 285 (3)	CHEM 232 (3)	IE 300 (3) <sup>5</sup>	Topical Lect (2) <sup>6</sup>	Topical Lect (3) <sup>6</sup>
CHEM 102 (3)	CHEM 104 (3)	CS 101 (3)	ECE 205 (3)	MSE 307 (3) <sup>4</sup>	MSE 308 (3) <sup>4</sup>	MSE 470 (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) <sup>7</sup>	Topical Lect (3) <sup>7</sup>
MSE 182 (2)	MSE 183 (1) <sup>2</sup>	MSE 201 (3)	MSE 206 (4)	MSE 406 (3)	Gen Ed Elect (3) <sup>3</sup>	Gen Ed Elect (3) <sup>3</sup>	MSE 395 (3)
RHET 105 (4) <sup>1</sup>	Gen Ed Elect (3) <sup>3</sup>	Gen Ed Elect (3) <sup>3</sup>	Gen Ed Elect (3) <sup>3</sup>	MCB 150 (4)	MCB 252 (3)	Free Elect (3)	Gen Ed Elect (3) <sup>3</sup>
ENG 100 (0)	PHYS 211 (4)					MCB 450 (3)	Free Elect (3)
	MATH 225 (2)						

<sup>1</sup>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 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.

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

<sup>3</sup>Students 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.

<sup>4</sup>Advanced Composition is satisfied by completing MSE 307 and MSE 308.

<sup>5</sup>The replacement of IE 300 with STAT 400 is not allowed for students in the Biomaterials Area unless one of their biomaterials area topical lectures and one of their topical lectures outside the biomaterials area are deemed by the Accreditation Board for Engineering and Technology (ABET) to be an engineering course. The extra hour of credit for STAT 400 may be used to help meet free elective requirements.

<sup>6</sup>To be selected from list of topical lecture courses in biomaterials area, approved by the department

<sup>7</sup>To be selected from list of topical lecture courses in nonbiomaterials area, approved by department