

Engineering Physics Curriculum w Professional Physics Tech Elective 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.

<i>Freshman</i>		<i>Sophomore</i>		<i>Junior</i>		<i>Senior</i>	
14-15 hrs	16-17 hrs	16 hrs	16 hrs	17 hrs	16 hrs	16 hrs	16 hrs
MATH 221 (4)	MATH 231 (3)	MATH 241 (4)	MATH 285 (3) ³	MATH 415 (3)	PHYS 486 (4)	PHYS 487 (4)	PHYS Lab (4) ⁴
CHEM 102 (3)	PHYS 211 (4)	PHYS 212 (4)	PHYS 213 (2)	PHYS 435 (3)	PHYS 436 (3)	PHYS Lab (4) ⁴	PHYS 427 (4)
CHEM 103 (1)	CS 101 (3)	PHYS 225 (2)	PHYS 214 (2)	PHYS 326 (3)	Free Elect (6)	Free Elect (6)	Free Elect (6)
ENG 100 (0)	Gen Ed Elect (3) ²	Gen Ed Elect (6) ²	PHYS 325 (3)	Free Elect (6)	Elective (3) ⁵	Elective (2) ⁵	Elective (2) ⁵
RHET 105 (4) ¹	Gen Ed Elect (3) ²		Free Elect (3)	Elective (2) ⁵			
PHYS 110 (0)			Gen Ed Elect (3) ²				
Gen Ed Elect (3) 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.

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. 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.

³MATH 285 may be replaced by MATH 441 + MATH 442

⁴Students are required to take any 2 Physics Labs (chosen from PHYS 401, PHYS 402, PHYS 403, PHYS 404)

⁵Students could use this to take an elective, course for a minor, additional physics courses (ex. PHYS 470, PHYS 460) or research as an independent study