

Physics 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.

<i>First Year</i>		<i>Second Year</i>		<i>Third Year</i>		<i>Fourth Year</i>	
15-16 hrs	16-17 hrs	15 hrs	16 hrs	17 hrs	16 hrs	16 hrs	16 hrs
PHYS 110 (0)	PHYS 211 (4)	PHYS 212 (4)	PHYS 213 (2)	PHYS 435 (3)	PHYS 486 (4) ⁹	Track Elect (4) ⁶	Track Elect (4) ⁶
MATH 221 (4) ¹	MATH 231 (3)	MATH 241 (4)	MATH 285 (3) ⁷	MATH 257 (3)	Track Elect (3) ⁶	Free Elect (4) ⁸	Free Elect (4) ⁸
ENG 100 (1) ²	CS 101 (3) ⁵	PHYS 225 (2)	PHYS 214 (2)	Track Elect (4) ⁶	Track Elect (3) ⁶	Free Elect (4) ⁸	Free Elect (4) ⁸
RHET 105 (4) ^{3,4}	Gen Ed Elect (3) ^{3,4}	Track Elect (2) ⁶	PHYS 325 (3)	Track Elect (4) ⁶	Track Elect (2) ⁶	Free Elect (4) ⁸	Free Elect (4) ⁸
CHEM 102 (3)	Gen Ed Elect (3) ⁴	Gen Ed Elect (3) ⁴	Track Elect (3) ⁶	Free Elect (3) ⁸	Free Elect (4) ⁸		
CHEM 103 (1)			Free Elect (3) ⁸				
Gen Ed Elect (3) ⁴							

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

²External transfer students take ENG 300.

³RHET 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). 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.

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

⁵Students can substitute CS 124.

⁶Track Elective credits, selected from dept approved list, can be found at <http://catalog.illinois.edu/undergraduate/engineering/engineering-physics-bs/#degreerequirementstext>

⁷MATH 285 may be replaced by both MATH 441 and MATH 442.

⁸Additional 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). The number of free elective hours varies depending upon the total hours earned in Flexible Physics Electives, Physics Lab Electives, and Program Track.

⁹PHYS 485 may be substituted.