

Nuclear, Plasma, and Radiological Engineering + Data Science - BS, 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>		
17 hrs	15 hrs	16 hrs	15 hrs	17 hrs	16 hrs	15 hrs	17 hrs	
NPRE 100 (1)	MATH 231 (3)	NPRE 200 (2)	NPRE 247 (3)	NPRE 330 (3) ⁵	NPRE 349 (2)	NPRE 321 (3) ⁵	NPRE 441 (4)	
MATH 221 (4) ¹	PHYS 211 (4)	MATH 241 (4)	MATH 285 (3)	NPRE 445 (4)	NPRE 451 (3)	NPRE 449 (3)	NPRE 458 (4)	
ENG 100 (1) ²	STAT 107 (4)	PHYS 212 (4)	ME 200 (3)	TAM 335 or ME 310 (4)	NPRE 455 (4)	IS 467 (3)	IS 477 (3)	
RHET 105 (4) ^{3,4}	LOTE (3rd level) (4) ^{3,4}	TAM 210 (2)	TAM 212 (3)	CS 277 (4)	CS 307 (4)	Gen Ed Elect (3) ⁴	Gen Ed Elect (3) ⁴	
CHEM 102 (3)		STAT 207	MATH 227 or MATH 257 (3)	Free Elect (2) ⁶	Gen Ed Elect (3) ⁴	Gen Ed Elect (3)	Free Elect (3) ⁶	
CHEM 103 (1)								
ECON 102 or 103 (3) ⁴								

¹ MATH 220 may be substituted. MATH 220 is appropriate for students with no background in calculus. 4 of 5 credit hours count towards the degree.
² External transfer students take ENG 300.
³ 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 UIN is Odd). A language other than English (3rd level) course 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.
⁴ General education: Students must complete the Campus General Education requirements including the campus general education language requirement.
⁵ Both NPRE 321 and NPRE 330 are required courses. The order of fall semester in which they are taken is flexible.
⁶ Additional 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).