

# Systems Engineering and Design 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>Freshman</i>		<i>Sophomore</i>		<i>Junior</i>		<i>Senior</i>	
15-16 hrs	16-17 hrs	15 hrs	17 hrs	15 hrs	17 hrs	15-17 hrs	15-17 hrs
MATH 221 (4)	MATH 231 (3)	MATH 241 (4)	MATH 285 (3)	MATH 415 (3)	IE 310 (3)	Sec Fld Opt (3) <sup>3</sup>	Sec Fld Opt (3) <sup>3</sup>
CHEM 102 (3)	PHYS 211 (4)	PHYS 212 (4)	PHYS 213 (2)	Sec Fld Opt (3) <sup>3</sup>	SE 311 (3)	Eng Sci Elec (3) <sup>4</sup>	Free Elec (3)
CHEM 103 (1)	CS 101 (3) <sup>3</sup>	TAM 211 (3)	IE 300 (3)	SE 310 (3)	SE 312 (1)	Design Elec (3) <sup>5</sup>	Free Elec (3)
ENG 100 (0)	ECE 110 (3)	SE 261 (1)	TAM 251 (3)	SE 320 (4)	SE 424 (3)	SE 494 (3) <sup>6</sup>	Sec Fld Opt (3) <sup>3</sup>
RHET 105 (4) <sup>1</sup>	SE 101 (3)	Gen Ed Elect (3) <sup>2</sup>	TAM 212 (3)	ECE 211 (2)	TAM 335 (4)	SE 495(2) <sup>6</sup>	Gen Ed Elect (3) <sup>2</sup>
SE 100 (1)			SE 290 (0)		Gen Ed Elect (3) <sup>2</sup>	Gen Ed Elect (3) <sup>2</sup>	
Gen Ed Elect (3) <sup>2</sup>			Gen Ed Elect (3) <sup>2</sup>				

<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). SE 101 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>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. ECON 102 or ECON 103 must be one of the Social and Behavioral Sciences courses. 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

<sup>3</sup>Students select Secondary Field Option electives from departmentally approved lists or by petition to the department.

<sup>4</sup>Students select Engineering Science Electives from a departmentally approved list.

<sup>5</sup>Students select Design Electives from a departmentally approved list.

<sup>6</sup>SE 494 and SE 495 are to be taken based on the student's UIN (Odd UIN is Spring; Even UIN is Fall). These courses also complete the Advanced Composition requirement. All courses in the freshman, sophomore, and junior year should be complete prior to enrollment. Specific prerequisites are: SE 261, SE 290, SE 311, IE 300, IE 310, and TAM 335; or credit or concurrent registration in a SE Design Elective. Must enroll concurrently in SE 495.

