

Industrial Engineering Undergraduate Plan Study

√	First Semester		
	MATH 2554	Calculus I	4
	CHEM 1103	Univ. Chemistry I	3
	PHYS 2054	Univ. Physics I	4
	GENG 1111	Intro. to Engineering 1	1
	ENGL 1013	Composition 1	3
	Total		15

√	Third Semester		
	MATH 2574	Calculus III	4
	INEG 3413	Engineering Economy	3
	INEG 2101	IE Seminar	1
	INEG 3313	Engineering Statistics	3
	CSCE 1113/1111L	Prog. Foundations I	4
	Total		15

√	Fifth Semester		
	INEG 3713	Methods & Stds.	3
	INEG 4623	Introduction to Simulation	3
	MEEG 2003	Statics	3
	ELEG 3903	Circuits & Mach.	3
	XXXX XXXX	⁵ History/Gov't	3
	INEG 3513	Mfg. Design & Processes	3
	Total		18

√	Seventh Semester		
	INEG 44XX ⁶	Mgmt Requirement	3
	INEG 4543	Material Handling	3
	XXXX XXXX	Hum/Soc Sci (3)	3
	INEG 4723	Ergonomics	3
	XXXX XXXX	⁷ Tech. Elect (3)	3
	XXXX XXXX	Hum/Soc Sci (3)	3
	Total		18

√	Second Semester		
	MATH 2564	Calculus II	4
	XXXX XXXX	¹ Freshman Science Elective	4
	XXXX XXXX	Hum/Soc Sci (3)	3
	GENG 1121	Intro. to Engineering 2	1
	ENGL 1023	Technical Comp II	3
	Total		15

√	Fourth Semester		
	MATH 3404	Diff. Equations	4
	INEG 2403	Industrial Cost Analysis	3
	XXXX XXXX	² Science Requirement	3
	INEG 3333	Industrial Statistics	3
	CSCE 1123/1121L	Prog. Foundations II	4
	Total		17

√	Sixth Semester		
	INEG 3613	Introduction to OR	3
	INEG 3523	Mfg. Systems	3
	XXXX XXXX	³ Engr. Sci. Elect. 1	3
	XXXX XXXX	⁴ Engr. Sci. Elect. 2	3
	ECON 2143	Basic Economics	3
	Total		15

√	Eighth Semester		
	INEG 4904	I.E. Design	4
	INEG 4553	Prod. Plan & Control	3
	XXXX XXXX	Technical Elect (3)	3
	XXXX XXXX	Technical Elect (3)	3
	XXXX XXXX	Hum/Soc Sci (3)	3
	Total		16

129 credits – minimum required for graduation

¹ CHEM 1123/1121L University Chemistry II or PHYS 2074 University Physics II

² If the student selected CHEM 1123/1121L as their freshman science elective then this must be PHYS 2074 University Physics II, else please see the approved list of IE science electives.

³ Engineering Science 1 (MEEG 2303 Introduction to Materials, or MEEG 2013 Dynamics or MEEG 3013 Mechanics of Materials)

⁴ Engineering Science 2 (CHEG 2133 Mom. Trans. or MEEG 2403 Thermo or CHEG 2313 Thermo)

⁵ History or government requirement HIST 2003, 2013 or PLSC 2003 should be taken at this time

⁶ Either INEG 4433 Systems Engineering & Management or INEG 4443 Project Management

⁷ Please consult the approved technical elective list. At least 3 hours must be selected from INEG courses