Date of first entr	y:		Expected Gra	aduation:	Advisor:_			
<u>FRESHMAN</u>		SOPHOMORE		JUNIOF	<u>JUNIOR</u>		SENIOR	
COMM 105 (2) Public Speaking. IA SemGrd	Hum or Soc Sc (3) SemGrd		Hum or Soc Sc (3) SemGrd	□ AI	□ GP	□ HP	_	
ENGL 100* (3) Expos. Writ. I SemGrd	ECON 110 (3) or ECON 120 SemGrd			≥B		om •		
MATH 220 (4) A.G. & Calc I SemGrd	MATH 221 (4) A.G. & Calc II SemGrd	MATH 222 (4) A.G. & Calc III SemGrd	MATH 551 (3) Matrix Theory SemGrd	IMSE 560 (3) Intro. to OR I	IMSE 660 (3) INTRO OR II Sem Grd	IMSE 633 (3) Prod Pln Inv Ctrl Sem Grd	Mfg. Info. Systems SemGrd 24 hours of IMSE courses	
IMSE 201 (3) Intro. to IE Sem Grd	*	STAT 510 (3) Prob & Stat I SemGrd	STAT 511 (3) Prob & Stat II Sem Grd	IMSE 541 (3) Stat Quality Ctrl	IMSE 050 (0) Ind. Plant Studies SemGrd	IMSE 643 (3) Ind. Simulation SemGrd	IMSE 580 (4) Mfg, Systems Design and Analysis SemGrd	
CHM 210 (4) Chem. I SemGrd	IMSE 250 (2) Intro. Mfg. Proc. SemGrd		IMSE 530 (2) Engg. Econ. Anal. SemGrd	IMSE 623 (3) Ind. Ergonomics SemGrd	IMSE 555 (3) Ind. Fac. L & D	IMSE (3) Elective SemGrd	IMSE (3) Elective SemGrd	
	IMSE 251 (1) Mfg. Proc. (Lab) SemGrd	ACCTG 231 (3) Acctg 4 Buss Opn SemGrd	IMSE 532 (1) Ind. Proj. Eval. SemGrd	Computer (3) Programming Elective SemGrd	MANGT 420 (3) or LEAD 350 SemGrd	Professional (3) Elective SemGrd	Professional (3) Elective SemGrd	
	ME 212 (2) Engg. Graphics SemGrd	PHYS 213 (5) Engg. Phys. I SemGrd	PHYS 214 (5) Engg. Phys. II SemGrd	Engineering (3) Elective SemGrd	Engineering (3) Elective SemGrd	Engineering (3) Elective SemGrd	Professional (3) Elective SemGrd	
IMSE 015 (0) Engg. Assembly	IMSE 015 (0) Engg. Assembly	IMSE 015 (0) Engg. Assembly	IMSE 015 (0) Engg. Assembly	IMSE 015 (0) Engg. Assembly	IMSE 015 (0) Engg. Assembly	IMSE 015 (0) Engg. Assembly	IMSE 015 (0) Engg. Assembly	
(16)	(15)	(15)	(17)	(15)	(15)	(15)	(16)	

SID#:

Statistics Elective: STAT 511, STAT 705, or IMSE 441

Student:

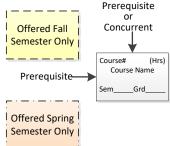
Computer Programming Elective: CIS 200, CIS 209, or ME 400

Engineering Electives: The 9 hours of basic engineering credit may not include more than 6 hours from a single department and the 9 hours must be selected from the following courses. Note, a student planning to take the FE exam is advised to take their 9 hours from classes with an *.

BAE 345; CE 333, 530* (at most one of 333 and 530) and 533; CHE 354*, 355*, 356*, 520 and 521; ECE 410, 511, 519* and 571; ME 512*, 513, 571; IMSE 562. Professional Electives: The 9 credit hours of professional electives are designed so that the student may specialize in an area of interest. Any of the following classes may count toward the professional elective requirement. Any IMSE class; any engineering class above 300 level; any CIS class above 200 level; MATH 240 and any Mathematics class above 500 level except MATH 570 and 591; any Statistics class above 500 level except STAT 702, 703, 706 and 710; BIOL 198, BIOL 201, CHEM 230; FINAN 450, 510, 520, 520, 643, and 654; MKTG 400; ACCTG 241, 331, 342 and 433; ECON 510, 520, 530, and 540; AGEC 680, 750; any BUS class above 400 level; any LEAD class above 300 level; any AG ECON class above 500 level; and ECON class above 300 level.

Effective: Spring 2019 Rev. Date 02/07/2019

INDUSTRIAL ENGINEERING



IMSE Electives: The IMSE electives must be selected from the IMSE department. Each class must also be at least 3 credit hours. Substitutions: IMSE 501 or LEAD 350 can substitute for MANGT

420: IMSE 591 and IMSE 592 can substitute for IMSE 580. Conc. or prereg, requirement for IMSE 591 or 580 is 24 credit hours of IMSE courses of 500 level or above.

K-State 8: The courses required for a BSIE degree satisfy five of the K-State 8 areas. The student must fulfill the aesthetic interpretation (AI), global perspectives (GP), and historical perspective (HP) tags. Most students will fill these tags with their humanities, social science or professional electives.

IMSE Assembly Requirement:

Each semester a student must enroll in IMSE 015 unless he/she is a concurrent B.S./M.S.I.E. student, in which case he/she must enroll in either IMSE 015 or IMSE 892.

IMSE Graduation Criterion: At most 6 credit hours of IMSE 500+ courses that earned a D may be applied to a student's B.S.I.E graduation requirements.

IMSE Course Retake Criterion:

Any IMSE course being taken for the third time in any five-year period may not be used to fulfill a student's B.S.I.E. graduation requirements.

¹Prerequisite for ENGL 415 is a "B" or better in ENGL 100. ENGL 200 must be taken if ENGL 100's grade ≤ "C".

> Total hours required for graduation: 124