Date of first entry: Expected Graduation: Advisor: **JUNIOR SENIOR SOPHOMORE FRESHMAN** COMM 105 (2) Hum or Soc Sc HumorSocSc (3) Public Speaking. IA □ AI \_\_\_\_\_ □ GP \_\_\_\_ □ HP \_\_\_\_ Grd Sem ENGL 100\* ECON 110 (3) ENGL 4151 ≥B Expos. Writ. I or ECON 120 Writ Comm. 4 Engrs IMSF 685 IMSE 250 MATH 220 MATH 221 MATH 222 (4) MATH 551 IMSE 560 IMSE 660 (3); (3) IMSE 633 Mfg. Info. Systems A G & Calc I A.G. & Calc II Prod Pln Inv Ctrl A.G. & Calc III Matrix Theory Intro. to OR I Intro. To OR II Sem Grd 24 hours of IMSE courses IMSE 643 (3) IMSE 201 STAT 510 (3) STAT 511 IMSE 541 (3) IMSE 050 IMSE 580 Prob & Stat II Stat Quality Ctrl Ind. Plant Studies Intro. to IE Prob & Stat I Ind. Simulation Mfg. Systems Design and Analysis Sem Grd Grd Grd Grd Sem Grd CHM 210 IMSE 530 IMSE 555 IMSE 250 IMSE 623 (3) IMSE IMSE Chem. I Intro. Mfg. Proc. Engg. Econ. Anal. Ind. Ergo nomics Ind. Fac. L & D Elective Flective Grd Grd Grd Grd Sem Sem Grd IMSE 251 ACCTG 231 (3) (3) MANGT 420 IMSE 532 Computer Professional (3) Professional Ind. Proi. Eval. or LEAD 350 Mfg. Proc. (Lab) Acctg 4 Buss Opn Programming Elective Elective Elective Grd Grd Grd Grd Grd Grd Sem ME 212 **PHYS 213** PHYS 214 Engineering Engineering Engineering Professional Engg. Graphics Engg. Phys. I Engg. Phys. II Flective Elective Elective Flective Grd Grd Grd \_Grd Grd Sem IMSE 015 IMSE 015 IMSF 015 IMSF 015 IMSE 015 IMSE 015 IMSE 015 IMSE 015 Engg. Assembly Credit (Y/N) (16) (15)(15)(17)(15)(15) (15)(16)

Computer Programming Elective: The computer programming elective consists of 3 hours taken from CIS 200, CIS 209 or ME 400.

SID#:

Student:

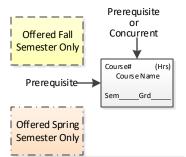
Engineering Electives: The 9 hours of basic engineering credit may not include more than 6 hours from a single department and the 9 hours must be selected from the following courses. Note, a student planning to take the FE exam is advised to take their 9 hours from classes with an \*. BAE 345; CE 333, 530\* (at most one of 333 and 530) and 533; CHE 350, 354\*, 355\*, 356\*, 520, and 521; ECE 410, 511, 519\* and 571; ME 512\*, 513\*, and 571; IMSE 562.

Professional Electives: The 9 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, Physics, Chemistry, Biochemistry, Biology, Geology, Kinesiology above 300; and CIS class above 200; MATH 240 and any Mathematics class above 500 except MATH 570 and 591; any Statistics class above 500 except STAT 702, 703, 706 and 710; BIO 198. 201: CHEM 230; FINAN 450, 510, 520, 643, 654; ACCTG 241, 331, 342, 433; ECON 510, 520, 530, 540; AGEC 680, 750;

Effective: Fall 2018

INDUSTRIAL ENGINEERING

Rev. Date 10/24/2018



IM SE 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 prereq. 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

IM SE 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

IM SE 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.

IM SE 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.

<sup>1</sup>Prerequisite 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