Date of first entry: **Expected Graduation:** Advisor: **JUNIOR SENIOR** <u>FRESHMAN</u> SOPHOMORE COMM 105 (2) Hum or Soc Sc (3) Hum or Soc Sc (3) Public Speaking, IA □ AI ____ □ GP ___ □ HP ____ Grd Grd **ENGL 100*** (3) **ECON 110** (3) ENGL 4151 ≥B Expos. Writ. I or ECON 120 Writ Comm. 4 Engrs IMSE 685 IMSE 250 IMSE 633 (3) **MATH 220 MATH 221 MATH 222** (4) MATH 551 (3) IMSE 560 IMSE 660 (3) Mfg. Info. Systems A.G. & Calc I A.G. & Calc II A.G. & Calc III Matrix Theory Intro. to OR I Intro. To OR II Prod Pln Inv Ctrl Grd 24 hours of IMSE courses IMSE 201 STAT 510 IMSE 643 Statistics IMSE 541 **IMSE 050** (0)IMSE 580 intro, to IE Prob & Stat I Elective Stat Quality Ctrl Ind. Pland Studies Ind. Simulation Mfg. Systems Design and Analysis Grd Grd Grd Sem CHM 210 IMSE 250 IMSE 623 (4) (2) IMSE 530 (2) IMSE 555 IMSE IMSE (3) (3) Intro. Mfg. Proc. Chem. I Engg. Econ. Anal. Ind. Ergonomics Ind. Fac. L & D Elective Elective Sem_ _Grd_ _Grd_ Grd IMSE 251 (1) ACCTG 231 (3) IMSE 532 MANGT 420 (3) (1) Computer Professional Professional Mfg. Proc. (Lab) Acctg 4 Buss Opn ind. Proj. Eval. Programming or LEAD 350 Elective Elective Elective _Grd_ _Grd_ Grd_ Grd Grd Grd ME 212 (2)PHYS 213 **PHYS 214** Engineering Engineering Engineering Professional Engg. Graphics Enge, Phys. I Engg. Phys. II Elective Elective Elective Elective Grd Grd Grd Grd Grd Grd Grd IMSE 015 (0) IMSE 015 IMSE 015 IMSE 015 (0) (0) (0) Engg. Assembly Credit (Y/N)_ Credit (Y/N)_ Credit (Y/N)_ Credit (Y/N)_ Credit (Y/N) Credit (Y/N) Credit (Y/N) Credit (Y/N) (15)(16)(15)(17)(15)(15)(15)(16)Statistics Elective: STAT 511 or STAT 705

SID#:

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 *.

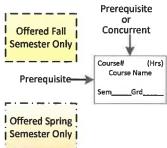
BAE 345; CE 333, 530* (at most one of 333 and 530) and 533; CHE 354*, 355*, 356*, 520 and 521; ECE 410, 511, 519* and 571; ME 512*, 513, 571; IMSE 562.

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 ≥ 300 level; any AG ECON class ≥ 500 level; any BUSINESS class ≥ 400 level; any CIS class ≥ 200 level; any ECON class ≥ 300 evel; any LEAD class ≥ 300 level; MATH 240 and any Mathematics class ≥ 500 level except MATH 570 and 591; any Statistics class ≥ 500 level except STAT 702, 703, 706 and 710; ACCTG 241, 331, and 342; BIOL 198; BIOL 201; and CHEM 230.

Effective: Spring 2020 Rev. Date 11/08/2019

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 (Al), 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.

> Total hours required for graduation: 124

¹Prerequisite for ENGL 415 is a "B" or

better in ENGL 100. ENGL 200 must be

taken if ENGL 100's grade ≤ "C".