# Industrial Engineering 

Wichita State
UNIVERSITY
college of enginemring
Total credit hours: 125


| SOPHOMORE |  |  |  |
| :---: | :---: | :---: | :---: |
| FALL | Hr | SPRING | Hr |
| COMM 111 * <br> Public Speaking | 3 | ```IME 255 * Engineering Economy Coreq: MATH }24``` | 3 |
| IME 254 <br> Engineering Probability and Statistics I Pre-req: MATH 243 with "C" or better (Offered Fall and Spring only) | 3 | IME 452 <br> Work Systems <br> Pre-req: IME 254 with a "C" or better Co-req: IME 255 | 3 |
| PHYS 314 <br> Physics for Scientist II <br> Pre-req: MATH 243 with " C " or better and PHYS 313 | 4 | IME 524 <br> Engineering Probability and Statistics II Pre-req: IME 254 with "C" or better (Offered in Spring only) | 3 |
| MATH 511 Linear Algebra Pre-req: MATH 243 with a "C" or better | 3 | IME 550 <br> Operations Research I <br> Pre-req: MATH 511 with "C" or better Co-req: IME 254 <br> Coffered Eall and Snrino onlvil | 3 |
| CS 211 Intro to Program. Pre-req: MATH 111 or MIS 310 Fund. of Business App. Pre-req: Junior \& Advanced standing or MATH 451 Comp. Math using MATHLAB Pre-req: MATH 243 with "C" or better | 3 | $\qquad$ <br> IME 553 <br> Production Systems <br> Pre-req: IME 254 with "C" or better Co-req: IME 255 (Offered Fall and Spring only) | 3 |
| Total Hours | 16 | Total Hours | 15 |


| SENIOR |  |  |  |
| :---: | :---: | :---: | :---: |
| FALL | Hr | SPRING | Hr |
| General Education* <br> Fine Arts <br> Note a | 3 | Technical Elective* Note b | 3 |
| General Education* <br> Recommended: ECON 201 <br> Principles of Micro Economics | 3 | Technical Elective* Note b | 3 |
| PHIL 385* Engineering Ethics Pre-req: Junior or senior standing | 3 | Technical Elective* Note b | 2 |
| IME 590 <br> Industrial Engineering Design I <br> Pre-req: IME 553 with "C" or better and Department Consent (Offered Fall and Spring only) | 3 | IME 690 <br> Industrial Engineering Design II <br> Pre-req: IME 590 with "C" or better and Department Consent (Offered Fall and Spring only) | 3 |
| Technical Elective* Note b | 3 | Math \& Science Elective* Note b | 3 |
| Technical Elective* Note b | 3 | ```Engineer+ Requirement (3 of 3) See notes``` |  |
| Total Hours | 18 | Total Hours | 14 |

Track 1 - Manufacturing: IME 561, IME 761, IME 558, ME 250/ME 251, ME 672, IME 676, IME 775, IME 758, IME 767, IME 788
Track 2 - Supply Chain \& Analytics: IME 664, IME 734, IME 753, IME 754, IME 755, IME 780AN, IME 783, IB 400 or DS 625
Track 3 - Systems Engineering: IME 664, IME 749, IME 759, IME 755, IME 764, IME 767, IME 740, MGMT 460, MIS 600, MIS 605

## Manufacturing Minor includes:

IME 222, ME 250/251, IME 258, AE 333, IME 558, IME 576 or IME 676 , and 3 additional approved hours. 1 course must be unduplicated from major requirements.

