Industrial Engineering Undergraduate Curriculum Flow Chart

FIRST YEAR (32 HOURS)

- PHYS 4 ENGRS EF 151/157 4 Fa Sp
- INTO 2 ENGR EF 105 1 Fa Sp
- CALCULUS I MATH 141 4 E
- SOCIAL SCI ELECTIVE 3 N/A
- ENGL COMP ENGL 101 3 E

SECOND YEAR (33 HOURS)

- PHYS 4 ENGRS EF 152/158 4 Fa Sp
- STATICS ME 202 2 E
- CALCULUS II MATH 142 4 E
- GEN CHEM CHEM 120 4 E
- ENGLCOMP ENGL 102 3 E
- MATL SCI MSE 201 4 E
- MATRIX ALG MATH 200 2 E
- Leadership I IE 290 1 Fa
- ECONOMICS ECON 201 4 E
- Leadership II IE 350 1 Fa

THIRD YEAR (31 Hours)

- COMP PROG EF 230 2 Fa Sp
- PHYSICS PHYS 231 4 E
- CALCULUS III MATH 241 4 E
- THERMO ME 331 3 E
- HUM FACT IE 304 3 Fa
- OP RES I IE 301 3 Fa
- Leadership III IE 450 1 Fa

FOURTH YEAR (32 Hours)

- ENGR ECON IE 405 3 Fa
- QUALITY IE 300 3 Fa
- PROD SYS IE 402 3 Sp
- OP RES II IE 310/317 3 Fa Sp
- CAPSTONE I IE 404 2 Fa Sp
- CAPSTONE II IE 422 2 Fa Sp

1 Chosen from University General Education List. PHIL 244* or PHIL 252* is preferred for one of the Arts and Humanities electives.
2 Chosen from IE 423, IE 430, IE 457, IE 483, IE 484, IE 493, IE 494, IE 495. The same course may not be used to count for both the IE technical elective and the IE elective.
3 Chosen from AE 341 or AE 347; BME 300; BUAD 361; BUAD 410; BULW 301; COSC 102*; ECE 255, ECE 302:ECON 311, ECON 312, ECON 313, ECON 322; ECON 331; ECON 333; ECON 351, ECON 361; FINC 300, FINC 425; FINC 455; IE 423, IE 430, IE 457, IE 483, IE 484, INSC 310, INSC 451, INSC 350; MGT 300; MSE 340 or MSE 347, MSE 360 or MSE 367, MSE 390 or MSE 397, MSE 405*; ME 321, ME 363 or ME 367, ME 365, ME 366, ME 405; IE 342 or IE 347. Some courses may require a prerequisite or corequisite that is not part of the IE program.

ISE UG Curriculum Flow Chart, Effective Fall 2015
Students Started their programs before 2015 may use earlier curriculum at catalog.utk.edu