**Fall 2012- Spring 2013 IE Degree Map**

**First year**
- MATH 1411 + Calculus I (MATH 1508 +)
- ENGL 1311 + English Composition
- CHEM 1305 + & CHEM 1105 + General Chemistry (MATH 1508 +)

**Second year**
- MATH 1312 + Calculus II (MATH 1411 +)
- ENGL 1312 + Research and Critical Writing (ENGL 1311 +)
- IE/CE 1205 or MECH 1305 + Graphics Fundamentals

**Third year**
- MATH 2313 + Calculus III (MATH 1312 +)
- IE/CE 2315 or MECH 1321 + Statics (MATH 1411+)
- IE/MME 2303 or MECH 2331 + Mts and Mfg Prog (CHEM 1305+)

**Forth year**
- IE 3331 Systems Engineering. (IE 3373 +)
- IE 3373 + Engineering Probability (MATH 2313 +)
- MATH 3323 + Matrix Algebra (MATH 1312)

**Technical Elective* Sp & Fa**

**Notes:**
- Prerequisites listed in parentheses
- Fa: Course offered only on Fall term; Sp: Course offered only on Spring term; Sp & Fa: Course offered only on Spring & Fall terms.
- All the other courses are offered Fall, Spring and Summer terms
- + : Grade of "C" or better required.
- #: Selected from the list of University Core Approved Classes
- *: Selected from the following list of approved Technical Electives: IE 4312, IE 4333, IE 4371, IE 4395, IE 4396, IE 4397, ENGL 3359, OSCM 3333, OSCM 4375, OSCM 3337, OSCM 3331, any upper course from the College of Engineering and any upper division course from the College of Science.

**Total Semester Credit Hours  120**