

Course Planning Specifics: Industrial Engineering

In the Foisie Business School (FBS) we encourage students who are interested in Industrial Engineering to work on basic courses during their first year. These would include:

- Math: Three calculus courses and statistics;
- Science: Either (a) two courses in chemistry and one in physics or (b) one course in chemistry and two in physics;
- Humanities & Arts (HU&A); and
- Social Science (SS) or an introductory level engineering (ENGR) course, including ECE 2010, ES 1310, and ME 1800.

Sample Course Recommendations for IE Majors

	A term	B term	C term	D term
Course 1	Math	Math	Math	Math
Course 2	CH/PH	CH/PH	CH/PH	ENGR
Course 3	HU/GPS/SS	HU/GPS/SS	HU/ENGR/SS	HU/SS

Special notes: Overall math for the major includes Calculus I, II, III, IV (MA 1020 or 1021, 1022, 1023, 1024); Ordinary Differential Equations (MA 2051); Statistics I (MA 2611); and either Stats II (MA 2612) or Probability (MA 2621).

[Click here](#) for the degree requirements for Industrial Engineering. Potential Industrial Engineering majors who have specific questions regarding the major and distribution requirements should contact [Laurie Stokes](#), Associate Director in the FBS.

Course Planning Worksheet: Industrial Engineering

Math Placement Test Result: _____ AP/IB/Transfer Credit: _____

Abbreviation Key for Course Planning Tracker:

- **GPS** = Great Problems Seminar
- **HU**= Humanities and Arts Course (includes AB, AR, CN, EN, GN, HI, HU, INTL, ISE, MU, PY, RE, SP, TH, WR)
- **SS** = Social Science Course (includes ECON, ENV, GOV, PSY, SD, SOC, SS)
- **BB** = Biology Course
- **PH**= Physics Course
- **CH**= Chemistry Course

Any courses marked with an asterisk (*) are optional programs, and can be taken in addition to the three courses.

Please Note: The Great Problems Seminars are a two term sequence course. They are also **linked**. This means that when registering for a GPS course in A term, you must register for its second half in B term.

<u>A Term Selections</u>	<u>(Include CRN)</u>	<u>B Term Selections</u>	<u>(Include CRN)</u>
MA		MA	
CH/PH		CH/PH	
GPS, HU, SS, Intro to Engineering Course		GPS, HU, SS, Intro Engineering course	
*Physical Education (1/12 credit unit)		*Physical Education (1/12 credit unit)	
*Military Science (Must be affiliated with an ROTC unit)		*Military Science (Must be affiliated with an ROTC unit)	
Back-ups		Back-ups	