

INDUSTRIAL ENGINEERING MAJOR

Program Tracking Sheet Based on AY 2016-17 Degree Requirements and Course Offerings

Name:	Class Year:
Advisor:	2 nd Major:

NOTES: Minimum total academic credit = 15 units

HUMANITIES AND ARTS REQUIREMENT (2 units)

All 5 HUA courses must be completed before beginning the Inquiry Seminar or Practicum.

Depth Component				
Students must complete at least three thematically-related courses prior to the culminating Inquiry Seminar or Practicum in the same thematic area. At least one of the three courses should be at the 2000-level or above.				
	Course	Term	Grade	Units
1				1/3
2				1/3
3				1/3
4	HU 3900 or HU 3910 (taken last)			1/3
Breadth Component				
Students must take at least one course outside the grouping in which they complete their depth component. To identify breadth, courses are grouped in the following manner.				
i. art/art history, drama/theatre, and music (AR, EN/TH, MU);				
ii. foreign languages (AB, CN, EN, GN, SP);				
iii. literature and writing rhetoric (EN, WR, RH);				
iv. history and international studies (HI, HU, INTL);				
v. philosophy and religion (PY, RE).				
Exception: May take all six courses in a foreign language				
5				1/3
Humanities Elective				
6				1/3

PHYSICAL EDUCATION (4 PE classes = 1/3 unit)

	Course	Term	Grade	Units
7				1/12
				1/12
				1/12
				1/12

SOCIAL SCIENCE (2/3 unit) ECON, ENV, GOV, PSY, SD, SOC, SS, STS and ID2050

	Course	Term	Grade	Units
8				1/3
9				1/3

THE INTERACTIVE QUALIFYING PROJECT (1 unit)

	Course	Term	Grade	Units
10				1/3
11				1/3
12				1/3

FREE ELECTIVES (1 unit)

	Course	Term	Grade	Units
13				1/3
14				1/3
15				1/3

MATHEMATICS AND BASIC SCIENCE (4 units)

Must include differential and integral calculus, ordinary differential equations, and 2/3 units in probability and statistics. Must include both chemistry and physics. 2/3 units of Math/Science Electives

	Course	Term	Grade	Units
16	MA1021			1/3
17	MA1022			1/3
18	MA1023			1/3
19	MA1024			1/3
20	MA2051			1/3
21				1/3
22				1/3
23				1/3
24				1/3
25				1/3
26				1/3
27				1/3

INDUSTRIAL ENGINEERING TOPICS (5 units)

INDUSTRIAL ENGINEERING CORE (3 units)

	Course	Term	Grade	Units
28	BUS 1010			1/3
29	BUS 2080 or MA 2210			1/3
30	BUS 3020			1/3
31	CS 2119 or CS 2102			1/3
32	OIE 2850			1/3
33	OIE 3410			1/3
34	OIE 3420			1/3
35	OIE 3460			1/3
36	OIE 3510			1/3

INDUSTRIAL ENGINEERING ELECTIVES - Operations Research (1 unit)

Choose three: OIE 3405, 4410, 4420, 4460, MIS 3720, 4720, MA 3231, 3233, 3627, 3631, 4235, 4237, 4631, 4632

	Course	Term	Grade	Units
37				1/3
38				1/3
39				1/3

TECHNICAL ELECTIVES (1 unit)

Any Engineering Science/Design course qualifies (except ES 1000, ES 1020, ES 1310, and ES 3323), as well as any CE (except CE 3022), CHE, CS (except CS 1101, 1102 & 3043), ECE, ME, OIE and RBE. At least one course in ES is required for meeting this requirement. Suggested courses include: CS 2011, CS 4032/MA 3257, ECE 2010, ECE 3601, ES 1310, ES 2001, ME 1800, ME 2820

	Course	Term	Grade	Units
40	ES			1/3
41				1/3
42				1/3

MAJOR QUALIFYING PROJECT (1 unit)

	Course	Term	Grade	Units
43				1/3

44				1/3
45				1/3