CHEMICAL ENGINEERING MAJOR
Program Tracking Sheet Based on AY 2014-15 Degree Requirements and Course Offerings

Name:	Class Year:
Advisor:	2nd Major:

NOTES: Minimum total academic credit = 15 2/3 units
Residency Req.: Min. of 8 units must be completed at WPI

HUMANITIES AND ARTS REQUIREMENT (2 units)

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			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 (SP, GN, AB, CN);
iii. literature and writing rhetoric (EN, WR, RH);
iv. history and international studies (HI, HU);
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)

7				1/12
				1/12
				1/12
				1/12

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

8				1/3
9				1/3

THE INTERACTIVE QUALIFYING PROJECT (1 unit)

10				1/3
11				1/3
12				1/3

MATHEMATICS AND BASIC SCIENCE REQUIREMENT (4 units)
Must include 5 math courses including differential and integral calculus and differential equations.
Must include 3 courses in chemistry, 2 courses in physics, and 1 course in biology or biochemistry.

13	MA			1/3
14	MA			1/3
15	MA			1/3
16	MA			1/3
17	MA			1/3
18	CH			1/3
19	CH			1/3
20	CH			1/3
21	PH			1/3
22	PH			1/3
23				1/3
24				1/3

ENGINEERING SCIENCE AND DESIGN REQUIREMENT (6 units)
All at 2000 or higher level with the exception of CHE 1101, includes graduate courses in BME, CHE, CE, ECE, FP, ME, MFE, MTE, RBE, and SYS.

ENGINEERING STUDY OUTSIDE MAJOR (1/3 unit)

25				1/3

MAJOR QUALIFYING PROJECT (3/3 unit)

26				1/3
27				1/3
28				1/3

CORE CHEMICAL ENGINEERING COURSES (4 units minimum)
Must include at least 4 units of core chemical engineering courses:
CHE 2011, 2012, 2013, 2014, 3201, 3501, 4401, 4402, 4403, 4404, 4405, ES 3004, 3003, 3002. Must include CHE 4404 unless capstone design accounted for elsewhere.

29				1/3
30				1/3
31				1/3
32				1/3
33				1/3
34				1/3
35				1/3
36				1/3
37				1/3
38				1/3
39				1/3
40				1/3

ENGINEERING ELECTIVES (2/3 unit)

41				1/3
42				1/3

ADVANCED CHEMISTRY AND NATURAL SCIENCE (5/3 unit)
Any 2000 level and above BB, CH, PH, or GE courses and CH 1040.
Must include 3 advanced CH courses at 2000 level or above.
Up to 2/3 unit of Advanced Chemistry and Natural Science may be double counted under both Advanced Chemistry and Basic Science

43	CH			1/3
44	CH			1/3
45	CH			1/3
46				1/3
47				1/3