INDUSTRIAL ENGINEERING MAJOR
Program Tracking Sheet
Effective for students entering AY 2018-19

Name: ___________________________ Class Year: ___________ Date tracking sheet completed: ___________
Student ID #: _____________________ Advisor: _____________________ 2nd Major/Minor: _______________________

NOTES: Minimum academic credit = 15 units
Residency Req.: Min. of 8 units must be completed at WPI.
No course should appear more than once on this sheet, with the exception of PE courses.

HUMANITIES AND ARTS REQUIREMENT (6/3 units)

--Breadth Component
Students must take at least one course outside the grouping in which the depth component falls:
a. Art/art history, drama/theatre, music (AR, EN/TH, MU)
b. Foreign languages (AB, CN, EN, GN, SP)
c. Literature, writing, rhetoric (EN, WR, RH)
d. History, international studies (HI, HU, INTL)
e. Philosophy, religion (PY, RE)

Course Term Grade Units
1. ___________________________ 1/3
2. ___________________________ 1/3

--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 must be at the 2000 level or above. Exception: May take all six courses in German or Spanish.

3. ___________________________ 1/3
4. ___________________________ 1/3
5. ___________________________ 1/3
6. HU 3900/3910 (taken last) 1/3

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

7.1 ___________________________ 1/12
7.2 ___________________________ 1/12
7.3 ___________________________ 1/12
7.4 ___________________________ 1/12

MATHEMATICS & BASIC SCIENCE (12/3 units)

Calculus Sequence
8. MA 1021 ___________________________ 1/3
9. MA 1022 ___________________________ 1/3
10. MA 1023 ___________________________ 1/3
11. MA 1024 ___________________________ 1/3
12. MA 2051 ___________________________ 1/3

Statistics Sequence
13. MA 2611 ___________________________ 1/3
14. MA 2612 or 2621 ___________________________ 1/3

Physics/Chemistry Sequence
15. CH ___________________________ 1/3
16. PH ___________________________ 1/3
17. CH or PH ___________________________ 1/3

Math/Science Electives (one of each is recommended)
Recommended in Math: MA 2071, probability & stats., numerical analysis
Science: BB, CH, GE, PH
18. ___________________________ 1/3
19. ___________________________ 1/3

SOCIAL SCIENCES (2/3 units)
Two from: ECON, ENV, GOV, PSY, SD, SOC, SS, STS, DEV, and ID 2050
20. ___________________________ 1/3
21. ___________________________ 1/3

THE INTERACTIVE QUALIFYING PROJECT (3/3 units)

22. ___________________________ 1/3
23. ___________________________ 1/3
24. ___________________________ 1/3

INDUSTRIAL ENGINEERING CORE (9/3 units)

25. OIE 3405 or OIE 4420 ___________________________ 1/3
26. BUS 2080 or MA 2210* ___________________________ 1/3
27. BUS 3020 ___________________________ 1/3
28. OIE600 or CS2119 or 2102/2103** ___________________________ 1/3
29. OIE 2850 ___________________________ 1/3
30. OIE 3410 ___________________________ 1/3
31. OIE 3420 ___________________________ 1/3
32. OIE 3460 ___________________________ 1/3
33. OIE 3510 ___________________________ 1/3

*IE majors cannot receive credit for both BUS 2080 and MA 2210.
**Take CS 1004 prior to CS 2119. Take CS 1101/1102 prior to CS 2102/2103.

INDUSTRIAL ENGINEERING ELECTIVES-Operations Research (3/3 units)
Choose three: OIE 3405*, 3600*, 4410, 4429*, 4460; MIS 3720, 470X, 4720; MA 3231, 3233, 3627, 3631, 4235, 4237, 4631, 4632.
34. ___________________________ 1/3
35. ___________________________ 1/3
36. ___________________________ 1/3

*Only if not taken in IE Core.

TECHNICAL ELECTIVES (3/3 units)
Any designated CE (except CE 3022), CHE, CS (except CS 1004, 1101, 1102, 3043), ECE, ES (except ES 1000, 1020, 3323), ME, OIE, RBE, as well as any IE Elective (see above). Suggested courses include: CS 2011, CS 4032/MA 3257, ECE 2010, ECE 3601, ES 1310, ES 2001, ES 2800, ES 3001, ME 1800, ME 2820. GPS course credits do not qualify.
37. One ES course required ___________________________ 1/3
38. ___________________________ 1/3
39. ___________________________ 1/3

THE MAJOR QUALIFYING PROJECT (3/3 units)

40. ___________________________ 1/3
41. ___________________________ 1/3
42. ___________________________ 1/3

FREE ELECTIVES (3/3 units)

43. ___________________________ 1/3
44. ___________________________ 1/3
45. ___________________________ 1/3

NOTES
