INDUSTRIAL ENGINEERING MAJOR
Program Tracking Sheet
Effective for students entering AY 2027 (2026-2027)

Name:	Class Year: 2030	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.

HUMANITIES AND ARTS REQUIREMENT (6/3 units)
All 5 HUA courses must be completed before beginning the Inquiry Seminar or Practicum. The Humanities and Arts Department will accept a maximum of 1/3 unit of AP credit towards the Humanities and Arts requirement

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 a modern language.

Course	Term	Grade	Units
1.			1/3
2.			1/3
3.			1/3
4. HU 3900/3910 (**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.
- Art/art history, drama/theatre, music (AR, TH, MU)
- Modern languages (AB, CN, ISE, GN, SP)
- Literature and writing rhetoric (EN, WR)
- History, humanities and international global studies (HI, HU, INTL)
- Philosophy and religion (PY, RE)

5.			1/3
Humanities Elective			
6.			1/3

WELLNESS AND PHYSICAL EDUCATION (4 WPE classes = 1/3 unit)

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

MATHEMATICS AND 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: DEV, ECON, ENV, GOV, ID 2050/SS 2050, PSY, SD, SOC, SS, STS

20. ID 2050/SS 2050			1/3
21.			1/3

THE INTERACTIVE QUALIFYING PROJECT (3/3 units)

22.	AY '29		1/3
23.	AY '29		1/3
24.	AY '29		1/3

INDUSTRIAL ENGINEERING CORE (9/3 units)

25. OIE 2081			1/3
26. ~~OIE 2600~~ or CS2119 or 2102/2103**			1/3
27. OIE 2850			1/3
28. OIE 3020			1/3
29. OIE 3405 or OIE 4430			1/3
30. OIE 3410			1/3
31. OIE 3420			1/3
32. OIE 3460			1/3
33. OIE 3510			1/3

**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 2600~~*, 3405*, 4410, 4430*, 4460; MIS 3720, 3787, 4084, 4720, 4741; MA 3231, 3233, 3627, 3631, 4235, 4237, 4631, 4632.
*Only if not taken in IE Core.

34.			1/3
35.			1/3
36.			1/3

TECHNICAL ELECTIVES (3/3 units)
Any designated CE (*except* CE 3022), CHE, CS (*except* CS 1004, 1101, 1102, 3043), ECE, ES (*except* ES 1000, 3323), ME, OIE, RBE, as well as any IE Elective (see above).
Suggested courses include:
CS 2011, CS 4032/MA 3257, ECE 2010, 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

MAJOR QUALIFYING PROJECT (3/3 units)

40.	A '29		1/3
41.	B '29		1/3
42.	C '30		1/3

Note: MQP must have an Industrial Engineering focus and advisor.

FREE ELECTIVES (3/3 units)

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

NOTES

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4-year Plan Template

Name:	Class Year:
Advisor(s):	Major(s)/Minor(s):

Year 1					
	A-term	**B-term**	**C-term**	**D-term**	**E-term** (optional)
Course 1					
Course 2					
Course 3					
Course 4 (optional)					

Notes:

Year 2					
	A-term	**B-term**	**C-term**	**D-term**	**E-term** (optional)
Course 1					
Course 2					
Course 3					
Course 4 (optional)					

Notes:

Year 3					
	A-term	**B-term**	**C-term**	**D-term**	**E-term** (optional)
Course 1					
Course 2					
Course 3					
Course 4 (optional)					

Notes:

Year 4					
	A-term	**B-term**	**C-term**	**D-term**	**E-term** (optional)
Course 1					
Course 2					
Course 3					
Course 4 (optional)					

Notes: