

CIVIL 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
 Residency Req.: Min. of 8 units must be completed at WPI
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			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)

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

FREE ELECTIVES (1 unit)

13				1/3
14				1/3
15				1/3

MATHEMATICS AND BASIC SCIENCE (4 units)

MATHEMATICS (5/3 units) Courses with prefix: MA
 Must include differential and integral calculus, differential equations, and probability and statistics.

16				1/3
17				1/3
18				1/3
19				1/3
20				1/3

BASIC SCIENCE (4/3 units)

Must include at least one course in physics (PH), two courses in chemistry (CH), and one course in an additional science area (BB or GE).

21	PH			1/3
22	CH			1/3
23	CH			1/3
24				1/3

ADDITIONAL MATHEMATICS AND BASIC SCIENCE (3/3 units)

Electives in mathematics (MA) and/or science (BB, CH, GE, PH).

25				1/3
26				1/3
27				1/3

ENGINEERING SCIENCE AND DESIGN (6 units)

A minimum of 4 units of work must be within the Civil Engineering area. All CE courses including the MQP, ES 2503, ES 2800, and ES 3004 are acceptable within the Civil Engineering area.

CIVIL ENGINEERING COURSES (7/3 units)

28				1/3
29				1/3
30				1/3
31				1/3
32				1/3
33				1/3
34				1/3

CIVIL ENGINEERING LABORATORY EXPERIENCE (2/3 unit)

CE 2020, CE 3024, CE 3026, CE 4054, CE 4060. Alternative options must be approved by petition (if alternatives are not in CE, 4 unit minimum in CE must be met by additional CE courses in the ES&D Electives category).

35				1/3
36				1/3

MAJOR QUALIFYING PROJECT & CAPSTONE DESIGN EXPERIENCE (3/3 units MQP; 1/3 unit capstone design experience)

Typically, capstone design is fulfilled through the MQP. If it is not, a separate capstone design experience must be added in the ES&D Electives category.

37				1/3
38				1/3
39				1/3

OUTSIDE OF CIVIL ENGINEERING (1/3 unit)

ES&D course at the 2000-level or above that is outside CE. Acceptable courses are in other engineering departments (AE, BME, CHE, ECE, ES, FPE, ME, RBE). The following courses are excluded: ES 2501, ES 2502, ES 2503, ES 2800, and ES 3004.

40				1/3
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ENGINEERING SCIENCE AND DESIGN ELECTIVES (5/3 unit)

41				1/3
42				1/3
43				1/3
44				1/3
45				1/3