ENVIRONMENTAL ENGINEERING MAJOR
Program Tracking Sheet
Effective for students entering AY 2021-2022

Name:	Class Year:
Advisor:	2nd Major:

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

HUMANITIES AND ARTS (6/3 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

MATHEMATICS AND BASIC SCIENCE (4 units)

MATHEMATICS (6/3 units) Courses with prefix: MA
Must include differential and integral calculus, differential equations, statistics

13				1/3
14				1/3
15				1/3
16				1/3
17				1/3
18				1/3

BASIC SCIENCE (6/3 units) Courses with prefix: BB, CH, GE, PH
Must include 1/3 unit of BB (introductory biology, environmental biology, or biodiversity), 3/3 unit chemistry CH including equilibrium and kinetics; 1/3 unit earth science (GE 2341 recommended), 1/3 unit PH (calculus based).

19				1/3
20				1/3
21				1/3
22				1/3
23				1/3
24				1/3

SUPPLEMENTAL SCIENCE (1/3 unit) Courses with prefix: BB, CH
Must include 1/3 unit in microbiology, ecology, spectroscopy, or organic chemistry.

25				1/3

ENGINEERING SCIENCE AND DESIGN (5 units)

FUNDEMENAL ENGINEERING SCIENCE

Fluid Mechanics and Thermodynamics (2/3 unit)

26	ES 3001			1/3
27	ES 3004			1/3

Mechanics and Materials (2/3 unit)
Must Include 2/3 units in Mechanics and Materials (selected from CE 2000 or ES 2501; CE 2001 or ES 2502; ES 2001; ES 2503)

28				1/3
29				1/3

Mass Transfer, Heat transfer, Systems Engineering (2/3 unit)
Must Include 2/3 units in mass transfer, heat transfer, and/or systems engineering (selected from ES 3002; ES 3003; ES 3501)

30				1/3
31				1/3

ENVIRONMENTAL ENGINEERING

Core Courses (2/3 unit)
Must Include 2/3 unit in core topics, including Environmental Engineering and Hydraulics (fulfilled by CE 3059 and CE 3062)

32				1/3
33				1/3

Laboratory Experimentation (2/3 units)
Must include 2/3 unit of laboratory experimentation (Fulfilled by CE 4060 and one of CE 2020 or CE 3026)

34				1/3
35				1/3

EVE Breadth and Depth (5/3 units)
Must Include 5/3 unit of environmental engineering breadth and depth courses at the 3000 or 4000 level (selected from CE 3020, CE 3041, CE 3060, CE 3061, CE 4061, CE/CHE 4063, CE 4600, CE 4610, and at most one of CE 3070, CE 3074, or CE 4071)

36				1/3
37				1/3
38				1/3
39				1/3
40				1/3

MAJOR QUALIFYING PROJECT (3/3 unit)
Must include 1/3 unit of capstone design

41				1/3
42				1/3
43				1/3

FREE ELECTIVES (2/3 unit)
First year GPS courses can only be used to fulfill HUA, SPSS or the Free Elective Requirement

44				1/3
45				1/3