

ENVIRONMENTAL ENGINEERING MAJOR

Program Tracking Sheet

Effective for students entering AY 2022-2023

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 (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)

	Course	Term	Grade	Units
7				1/12
				1/12
				1/12
				1/12

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

	Course	Term	Grade	Units
8				1/3
9				1/3

THE INTERACTIVE QUALIFYING PROJECT (1 unit)

	Course	Term	Grade	Units
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

	Course	Term	Grade	Units
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).

	Course	Term	Grade	Units
19				1/3
20				1/3
21				1/3
22				1/3
23				1/3

	Course	Term	Grade	Units
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.

	Course	Term	Grade	Units
25				1/3

ENGINEERING SCIENCE AND DESIGN (5 units)

FUNDAMENTAL ENGINEERING SCIENCE

Fluid Mechanics and Thermodynamics (2/3 unit)

	Course	Term	Grade	Units
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)

	Course	Term	Grade	Units
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)

	Course	Term	Grade	Units
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)

	Course	Term	Grade	Units
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)

	Course	Term	Grade	Units
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)

	Course	Term	Grade	Units
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

	Course	Term	Grade	Units
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

	Course	Term	Grade	Units
44				1/3
45				1/3