ELECTRICAL AND COMPUTER ENGINEERING MAJOR
Program Tracking Sheet
Effective for students entering AY 2022-2023

Name:	Class Year:
Advisor:	2nd Major:

<u>NOTES:</u> 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, DEV and ID2050

8				1/3
9				1/3

THE INTERACTIVE QUALIFYING PROJECT (3/3 unit)

10				1/3
11				1/3
12				1/3

FREE ELECTIVES (3/3 unit)

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

MATHEMATICS AND BASIC SCIENCE (4 units)
MATHEMATICS (7/3 units) Courses with prefix: MA

16	MA 1021			1/3
17	MA 1022			1/3
18	MA 2051			1/3
19	MA 2621			1/3
20				1/3
21				1/3
22				1/3

PHYSICS (2/3 unit) Courses with prefix: PH

23				1/3
24				1/3

CHEMISTRY or BIOLOGY (1/3 unit) Course with prefix: CH or BB

25				1/3

MATH or BASIC SCIENCE (2/3 unit) Courses with prefix: MA, PH, CH, BB, or GE

26				1/3
27				1/3

ENGINEERING SCIENCE AND DESIGN (6 units)
Must include at least 5 units at the 2000-level or higher within the Electrical and Computer Engineering area (including the MQP). All courses with prefix ECE at the 2000-level or higher and ES 3011 are applicable to these 5 units.

ELECTRICAL AND COMPUTER ENGINEERING (12/3 units)
Courses with prefix ECE and ES 3011
Must include 1 unit of Electrical Engineering courses: ECE 2112, 2201, 2305, 2312, 3113, 3204, 3308, 3311, 340X, 3500, 3501, 4011, 4023, 4305, 4503, 4703, 490X, 4902, and ES 3011
Must also include 2/3 unit of Computer Engineering courses: ECE 2029, 2049, 3829, 3849, and 4801.

28				1/3
29				1/3
30				1/3
31				1/3
32				1/3
33				1/3
34				1/3
35				1/3
36				1/3
37				1/3
38				1/3
39				1/3

MAJOR QUALIFYING PROJECT (3/3 unit)

40				1/3
41				1/3
42				1/3

COMPUTER SCIENCE (1/3 unit) Course with prefix: CS
Must be 2000 level or above, excluding CS 2011, CS 2022, and CS 3043

43				1/3

ADDITIONAL ENGINEERING SCIENCE AND DESIGN (2/3 unit)
Courses at the 2000 level or above from: AE, AREN, BME, CE, CHE, CS, ECE, ES, FP, ME or RBE, excluding CS 2011, CS 2022 and CS 3043

44				1/3
45				1/3