

ELECTRICAL AND COMPUTER ENGINEERING MAJOR
Program Tracking Sheet: Effective for students entering AY 2026–2027

Name:	Class Year:	2 nd Major:
Academic Advisor:		Faculty Advisor:

NOTES: Minimum total credit = 15 units; Min. 8 units completed at WPI

HUMANITIES AND ARTS (6/3 units) Must complete all 5 HUA courses before beginning 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 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, TH, MU);				
ii. modern languages (AB, CN, ISE, GN, SP);				
iii. literature and writing rhetoric (EN, WR);				
iv. history, humanities, and international and global studies (HI, HU, INTL);				
v. philosophy and religion (PY, RE).				
Exception: May take all six courses in a modern language.				
5				1/3
Humanities Elective				
6				1/3

WELLNESS AND PHYSICAL EDUCATION (4 WPE 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

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 (Calculus I)			1/3
17	MA 1022 (Calculus II)			1/3
18	MA 2051 (Ord. Differential Equations)			1/3
19	MA 2621 (Probability)			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
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Additional 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, including MQP)

MAJOR QUALIFYING PROJECT (3/3 unit) (Should include Capstone Design)

28				1/3
29				1/3
30				1/3

COMPUTATIONAL ENGINEERING (1/3 unit) ECE 2039 (preferably) or any 2000-level (or above) CS course except CS 2011, CS 2022, and CS 3043

31				1/3
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ELECTRICAL ENGINEERING (3/3 unit) Must include 1 unit of Electrical Engineering courses: ECE 2112, 2201, 2305, 2312, 3012, 3113, 3204, 3308, 3311, 3405, 3500, 3501, 4011, 4023, 4305, 4503, 4703, 4901, 4902, 4904, and ES 3011

32				1/3
33				1/3
34				1/3

DIGITAL CIRCUIT DESIGN (1/3 unit) Must include 1/3 unit of Computer Engineering courses with topics in digital circuit design: ECE 2029, 3829

35				1/3
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EMBEDDED COMPUTING (1/3 unit) Must include 1/3 unit of Computer Engineering courses with topics in embedded computing: ECE 2049, 3849, 4801

36				1/3
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Additional ELECTRICAL AND COMPUTER ENGINEERING (7/3 units)** Courses with prefix ECE at the 2000-level or higher and ES 3011

37				1/3
38				1/3
39				1/3
40				1/3
41				1/3
42				1/3
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

☐ **An “**ENGINEERING DESIGN**” requirement must be satisfied *within* the above-listed categories by either: 1) including ECE 2799 within “Additional ELECTRICAL AND COMPUTER ENGINEERING” (preferably) or 2) including one of the following courses within “Additional ENGINEERING SCIENCE AND DESIGN”: BME 3300, CS 3733, ES 3501, ME 2300, or ME4320. **(Check box when completed.)**



WPI

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Advising

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: