

**ELECTRICAL AND COMPUTER ENGINEERING MAJOR**  
**Program Tracking Sheet Based on AY 2013-14 Degree Requirements and Course Offerings**

Name:	Class Year:
Advisor:	2 <sup>nd</sup> 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)**

<b>Depth Component</b>				
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
<b>Breadth Component</b>				
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 (SP, GN, AB, CN);				
iii. literature and writing rhetoric (EN, WR, RH);				
iv. history and international studies (HI, HU);				
v. philosophy and religion (PY, RE).				
Exception: May take all six courses in a foreign language				
5				1/3
<b>Humanities Elective</b>				
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 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

**FREE ELECTIVES (1 unit)**

	Course	Term	Grade	Units
13				1/3
14				1/3
15				1/3

**MATHEMATICS AND BASIC SCIENCE REQUIREMENT (4 units)**

**MATHEMATICS (7/3 units)** Courses with prefix: MA

	Course	Term	Grade	Units
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

	Course	Term	Grade	Units
23				1/3
24				1/3

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

	Course	Term	Grade	Units
25				1/3

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

	Course	Term	Grade	Units
26				1/3
27				1/3

**ENGINEERING SCIENCE AND DESIGN REQUIREMENT (6 units)**

**ELECTRICAL AND COMPUTER ENGINEERING (12/3 units)**

Courses with prefix ECE (except ECE 3601) and ES 3011  
 Must include 1 unit of Electrical Engineering courses: ECE 2112, 2201, 2305, 2312, 3113, 3204, 3308, 3311, 3501, 3503, 4011, 4023, 4305, 4703, 4902, 4904, and ES 3011  
 Must also include 2/3 unit of Computer Engineering courses: ECE 2029, 2049, 3829, 3849, and 4801.

	Course	Term	Grade	Units
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 (1 unit)**

	Course	Term	Grade	Units
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

	Course	Term	Grade	Units
43				1/3

**ENGINEERING SCIENCE (1/3 unit)** Course with prefix: ES

Must be 2000 level or above, excluding ES 3011

	Course	Term	Grade	Units
44				1/3

**ADDITIONAL ENGINEERING SCIENCE AND DESIGN (1/3 unit)**

At least one 2000 level or above from: AREN, BME, CE, CHE, CS, ECE, ES, FP, ME or RBE, excluding CS 2011, CS 2022, CS 3043 and ECE 3601

	Course	Term	Grade	Units
45				1/3