# Electrical & Computer Engineering

## ECE with PHYSICS Second Major

(assuming one Math AP credit)

### Writing
1. Writing 101(20)

### Mathematics and Natural Science
2. AP credit for Math 21 (31)
3. MATH 122L (41L) [or AP credit for Math 22 (32)]
4. MATH 212 (103)
5. MATH 216 (107)
6. MATH 353 (108)
7. Statistics elective ________
8. CHEM 101DL (31L) [or AP credit for Chem 20 (18) or 21(19)]
9. PHY 151L (61L) [or AP credit for Physics 25 (61)] *
10. PHY 152L (62L) [or AP credit for Physics 26 (62)] *
11. PHY 264L (143L)
12. PHY 361 (181)
13. PHY 362 (182)
14. PHY 417S (217S)
15. PHY 464 (211)
16. PHY Elective ________
17. PHY Elective ________
18. Biology elective [or AP credit for Biology 20 (19)] ________

### ECE Foundation Courses
19. EGR 103L (53L)
20. CompSci 201 (100)
21. ECE 110L (27L)
22. ECE 230L (51L)
23. ECE 250D
24. ECE 270L (53L)
25. ECE 280L (54L)

### ECE Concentration & Application Electives
26. ECE Concentration Elective 1 ** ________
27. ECE Concentration Elective 2 ** ________
28. ECE Concentration Elective 3 ** ________
29. ECE Concentration Elective 4 ** ________
30. ECE 311 (176)
31. ECE Elective ________
32. ECE Design Elective ________

### Humanities and Social Sciences **
33. ________
34. ________
35. ________
36. ________
37. ________

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* The sequence of PHY 161L and 162L is also accepted in lieu of PHY 151L and 152L.

** Courses must be selected from at least two areas, and at least two courses must be from the same area. The same course may not be used as a Concentration Elective and count as a required Design Elective or ECE Elective.

*** Five required. At least one SS and 2 from remaining areas of knowledge (FL, CZ, ALP). For depth, two must be from the same approved department or program—and one course must be at the 200-level, or above. See Pratt Policies & Procedures for detailed list of approved departments and programs ([http://www.pratt.duke.edu/undergrad/policies/3505#humanities](http://www.pratt.duke.edu/undergrad/policies/3505#humanities)).