

Electrical & Computer Engineering ECE Major Requirements (matric \geq 2018)

Name

	Semester Taken	Grade	Notes
Writing			
1. Writing 101			
Mathematics and Natural Science			
2. MATH 111L [or AP credit for Math 21]			
3. MATH 112L [or AP credit for Math 22]			
4. MATH 212			
5. MATH 216			
6. MATH 353			
7. Statistics elective _____			Approved options: STA 130 or Math 230 or ECE 380 or ECE 555
8. CHEM 101DL [or AP credit for Chem 20 or 21]			
9. PHY 151L [or AP credit for Physics 25] *			
10. PHY 152L [or AP credit for Physics 26] *			
ECE Foundation Courses			
11. EGR 101L			
12. EGR 103L			
13. CompSci 201			
14. ECE 110L			
15. ECE 230L			
16. ECE 250D			
17. ECE 270DL			
18. ECE 280L			
ECE Concentration & Application Electives			
19. ECE Concentration Elective 1 ** _____			
20. ECE Concentration Elective 2 ** _____			
21. ECE Concentration Elective 3 ** _____			
22. ECE Concentration Elective 4 ** _____			
23. ECE Extension Elective _____			Any Natural Science or Engineering course at the 300-level or above (or DUS-approved 200-level Natural Science course)
24. ECE Elective _____			
25. ECE Design Elective _____			Any ECE course at the 300-level or above Approved options: ECE 449, 458, 459, 489, 532, 539, or 559
Humanities and Social Sciences ***			
26. _____			Area
27. _____			
28. _____			
29. _____			
30. _____			
Electives			
31. _____			
32. _____			
33. _____			
34. _____			

* To satisfy the Physics Requirement, students must take (or have AP credit for) PHYSICS 151L and 152L, and at least one physics course must be taken at Duke. If a student has AP credit for both 25 & 26, then one of PHYSICS 153L, 264, 361, 362, or 363 must be taken. Alternatively, AP credit for 26 can be waived by taking 152L. You do not have the option of taking PHY 151 and then using AP for PHY 26--unless the *only* Physics AP credit you have is for PHY 26.

** 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>).