

# Electrical & Computer Engineering ECE Major Requirements (matric ≤ 2017)

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Name

## Writing

1. Writing 101

Semester Taken	Grade	Notes

## 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 \_\_\_\_\_  
 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] \*  
 11. Nat Sci/Eng elec [or AP credit for Bio 20] \_\_\_\_\_


Approved options: STA 130 or Math 230 or ECE 380 or ECE 555

300-level or above NS/Engineering course, or course selected from a list of DUS-approved 200-level NS/Engineering

## ECE Foundation Courses

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 Elective \_\_\_\_\_  
 24. ECE Elective \_\_\_\_\_  
 25. ECE Design Elective \_\_\_\_\_


Any ECE course at the 300-level or above  
 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. \_\_\_\_\_  
 27. \_\_\_\_\_  
 28. \_\_\_\_\_  
 29. \_\_\_\_\_  
 30. \_\_\_\_\_

Area		

## 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>).