### Electrical & Computer Engineering

**ECE Major Requirements (matric ≥ 2018)**

**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
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

**ECE Elective**

**Electives**
31. 
32. 
33. 
34. 

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### Notes

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<th>Semester Taken</th>
<th>Grade</th>
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**Approved options:** STA 130 or Stat 240L or Math 230 or Math 340 or EGR 238L or ECE 380 or ECE 555

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* 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 post-matriculation. If a student has AP credit for both 25 & 26, then one of PHYSICS 153L, 175, 264, 361, or 362 must be taken. Alternatively, AP credit for 26 can be waived by taking 152L.

** Students who place into CompSci 201 are not required to take EGR 103L.

*** 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, ECE Extension 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).