

**Electrical & Computer Engineering**  
**ECE Major with Concentration in ML** (matric  $\geq$  2021)

\_\_\_\_\_  
 Name

	Semester Taken	Grade	Notes
<b>Writing</b>			
1. Writing 101			
<b>Mathematics and Natural Science</b>			
2. MATH 111L [or AP credit for Math 21]			
3. MATH 112L [or AP credit for Math 22]			
4. MATH 218-2			
5. MATH 219			
6. MATH 353			
7. Statistics elective _____			Approved options: STA 130 or Stat 240L or Math 230 or Math 340 or EGR 238L 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] *			
<b>ECE Foundation Courses</b>			
11. EGR 101L			
12. EGR 103L **			
13. COMPSCI 201			
14. ECE 110L			
15. ECE 230L			
16. ECE 250D			
17. ECE 270DL			
18. ECE 280L			
<b>ECE Concentration &amp; Application Electives</b>			
19. ECE Concentration Elective 1/ML1 ECE 480			
20. ECE Concentration Elective 2/ML2 ECE 580			
21. ECE Concentration Elective 3/ML3 _____			ECE 588, 661, 682D, 685D, 687D, or ECE 590 concentration elective on ML (w/ approval)
22. ECE Concentration Elective 4 *** _____			
23. ECE Extension Elective/ML4 _____			ECE 588, 661, 682D, 685D, 687D, or ECE 590 Special Topic w/focus on ML (w/ approval); CS 371, 527; Math 465; Stat 340, 360.
24. ECE Elective/ML5 _____			ECE 588, 661, 682D, 685D, 687D, or 590 Special Topics course on ML (w/ approval).
25. ECE Design Elective _____			Options: ECE 449, 458, 459, 489, 532, 539, 559, or 496.01 (S20, S21) or 496.02 (S20, S21)
<b>Humanities and Social Sciences ****</b>			
26. _____			<b>Area</b>
27. _____			
28. _____			
29. _____			
30. _____			
<b>Electives</b>			
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 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.

\*\*\* To ensure breadth, course must be selected from an area of concentration such that at least one of CE#3 and CE#4 is not from SPC&C area.

\*\*\*\* 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>).