

**Electrical & Computer Engineering  
ECE with COMPSCI Second Major (matric ≤ 2017)**

\_\_\_\_\_  
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 212  |                |       |   |
| 5. MATH 216  |                |       |   |
| 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] *         |                |       |   |
| 11. Nat Sci/Eng elec [or AP credit for Bio 20] _____ |                |       | 300-level or above NS/Engineering course, or course selected from a list of DUS-approved 200-level NS/Engineering |
| <b>ECE and COMPSCI Courses</b>                       |                |       |   |
| 12. EGR 103L   |                |       |   |
| 13. ECE 110L   |                |       |   |
| 14. ECE 230L   |                |       |   |
| 15. ECE 250D   |                |       |   |
| 16. ECE 270DL  |                |       |   |
| 17. ECE 280L   |                |       |   |
| 18. ECE 350L   |                |       |   |
| 19. COMPSCI 201                                      |                |       |   |
| 20. COMPSCI 307D or COMPSCI 308                      |                |       |   |
| 21. COMPSCI 310                                      |                |       |   |
| 22. COMPSCI 330                                      |                |       |   |
| 23. COMPSCI Elective _____                           |                |       | Any COMPSCI course at 200-level or above  |
| 24. ECE Digital Systems Elective _____               |                |       | From list of approved Digital Systems Concentration courses   |
| 25. ECE Concentration Elective ** _____              |                |       |   |
| 26. ECE Elective _____                               |                |       | Any ECE course at the 300-level or above  |
| 27. ECE Elective _____                               |                |       | Any ECE course at the 300-level or above  |
| 28. 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>            |                |       |   |
| 29. _____  |                |       | <b>Area</b>   |
| 30. _____  |                |       |   |
| 31. _____  |                |       |   |
| 32. _____  |                |       |   |
| 33. _____  |                |       |   |
| <b>Electives</b>                                     |                |       |   |
| 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.

\*\* One course selected from the set of approved ECE Concentration Electives from outside the Computer Engineering and Digital Systems 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>).