

**Electrical & Computer Engineering  
ECE with BME Second Major (matric  $\geq$  2021)**

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 218-2                                |  |  |
| 5. MATH 216                                  |  |  |
| 6. MATH 353                                  |  |  |
| 7. Statistics elective _____                 |  |  |
| 8. CHEM 101DL [AP credit for Chem 21]        |  |  |
| 9. CHEM 201DL or CHEM 210DL                  |  |  |
| 10. PHY 151L [or AP credit for Physics 25] * |  |  |
| 11. PHY 152L [or AP credit for Physics 26] * |  |  |
| 12. Biology 201L [cannot use AP credit]      |  |  |

Approved options: STA 130 or Stat 240L or Math 230 or Math 340 or EGR 238L or ECE 380 or ECE 555  
Alternate option : CHEM 110DL

**ECE and BME Courses**

|  |  |  |
|--|--|--|
| 13. EGR 101L                               |  |  |
| 14. EGR 103L**                             |  |  |
| 15. COMPSCI 201                            |  |  |
| 16. ECE 110L                               |  |  |
| 17. ECE 230L                               |  |  |
| 18. ECE 250D                               |  |  |
| 19. ECE 270DL                              |  |  |
| 20. ECE 280L                               |  |  |
| 21. ECE Concentration Elective 1 *** _____ |  |  |
| 22. ECE Concentration Elective 2 *** _____ |  |  |
| 23. ECE Elective _____                     |  |  |
| 24. BME 244L                               |  |  |
| 25. EGR 201L                               |  |  |
| 26. ME 221L                                |  |  |
| 27. BME 260L                               |  |  |
| 28. BME 354L                               |  |  |
| 29. BME 301L or BME 303 ****               |  |  |
| 30. BME Advanced Elective **** _____       |  |  |
| 31. BME General Elective _____             |  |  |
| 32. BME Design Elective _____              |  |  |

Any ECE course at the 300-level or above

Approved options: BME 436L or 464L or 474L

**Humanities and Social Sciences \*\*\*\*\***

|           | Area |  |
|-----------|------|--|
| 33. _____ |      |  |
| 34. _____ |      |  |
| 35. _____ |      |  |
| 36. _____ |      |  |
| 37. _____ |      |  |

\* 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 the same concentration area.  
 \*\*\*\* If BME 301L is taken the Advanced Elective must be from the Electrobiolology (EL) Area  
 If BME 303 is taken the Advanced Elective must be from the Imaging and Measurement Systems (IM) 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>).