

# Electrical & Computer Engineering

## ECE with BME Second Major (matric 2012-2014)

Name \_\_\_\_\_

Semester Taken      Grade      Notes

### Writing

1. Writing 101(20) 

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### Mathematics and Natural Science

2. MATH 111L [or AP credit for Math 21 (31)] 

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3. MATH 112L [or AP credit for Math 22 (32)] 

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4. MATH 212 

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5. MATH 216 

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6. MATH 353 

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7. Statistics elective \_\_\_\_\_ 

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8. CHEM 101DL [AP credit for Chem 21] 

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9. CHEM 201DL or CHEM 210DL 

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10. PHY 151L [or AP credit for Physics 25] \* 

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11. PHY 152L [or AP credit for Physics 26] \* 

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12. Biology 201L [cannot use AP credit] 

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13. Life Science Elective \*\* \_\_\_\_\_ 

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Approved options: STA 130 or Math 230 or ECE 380 or ECE 555  
Alternate option : CHEM 110DL

### ECE and BME Courses

14. EGR 103L 

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15. CompSci 201 

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16. ECE 110L 

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17. ECE 230L 

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18. ECE 250D 

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19. ECE 270DL 

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20. ECE 280L 

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21. ECE Concentration Elective 1 \*\*\* \_\_\_\_\_ 

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22. ECE Concentration Elective 2 \*\*\* \_\_\_\_\_ 

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23. ECE Elective \_\_\_\_\_ 

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24. BME 244L 

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25. EGR 201L 

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26. ME 221L 

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27. BME 260L 

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28. BME 354L 

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29. BME 301L or BME 303 \*\*\*\* 

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30. BME Area Elective \*\*\*\* \_\_\_\_\_ 

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31. BME General Elective \_\_\_\_\_ 

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32. BME Design Elective \_\_\_\_\_ 

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Any ECE course at the 300-level or above

Approved options: BME 436L or 464L

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

33. \_\_\_\_\_ 

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34. \_\_\_\_\_ 

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35. \_\_\_\_\_ 

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36. \_\_\_\_\_ 

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37. \_\_\_\_\_ 

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### Area

\* 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.

\*\* If BME 303 is taken, choose from approved list of Physiology Electives (see BME Handbook Table 7a)  
If BME 301L is taken, choose from the approved list of Life Science Electives (see BME Handbook Table 7)

\*\*\* Courses must be selected from the same concentration area.

\*\*\*\* If BME 301L is taken the Area Elective must be from the Electrobiolology (EL) Area  
If BME 303 is taken the Area 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>).