# ENGINEERING PHYSICS MAJOR Transfer Plan 2017-2018

**ECE Undergraduate Student Affairs Office | Jacobs Hall 2701 & 2702 | ece.ucsd.edu**

**Questions? Go to vac.ucsd.edu**

## MAJOR REQUIREMENTS

### Lower Division Requirements

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<tr>
<td>ECE 15</td>
<td>ECE 45</td>
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<td>ECE 25</td>
<td>MATH 20E</td>
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<td>ECE 35</td>
<td>PHYS 2D &amp; 2DL</td>
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**Year 1**

| ECE 100               | ECE 102        | ECE 109       |
| ECE 101               | ECE 103        | PHYS 130A     |
| PHYS 100A (see notes below) | PHYS 110A | Elective #1   |
| MATH 110              |                |               |

**Year 2**

| Depth #1*             | Depth #2*      | Elective #3   |
| PHYS 130B             | Eng. Design    | Elective #4   |
| PHYS 140A             | Elective #2    | Elective #5   |

**Year 3**

| Elective #2           | Elective #3    | Elective #4   |
|                       |                | Elective #5   |

### Upper Division Requirements

- ECE 100 Linear Electronic Systems
- ECE 101 Linear Systems Fundamentals
- ECE 102 Intro Active Circuit Design
- ECE 103 Fundamentals/Devics & Matrls
- ECE 107 Electromagnetism
- ECE 109 Eng. Probability & Stats

**DEPTH: 7 courses**

- MATH 110
- PHYS 110A
- PHYS 130A
- PHYS 130B
- PHYS 140A

* ECE 123 & 166 or ECE 135A & 135B or ECE 182 & (181 or 183): ☐ ☐

**Design Course: ECE 111, 115, 191, or 190**

### ELECTIVES

- 3 Professional
- 2 Technical

- PHYS 100A (see notes)

**Please Note:**

- PHYS 2DL and PHYS 130A have prerequisites that are not listed above. PHYS 2DL requires PHYS 2BL or 2CL. PHYS 130A requires PHYS 100A and PHYS 110A. PHYS 100A can be used towards one elective.
- *ECE 123 & 166 or ECE 135A & 135B or ECE 182 & (181 or 183): The 2 depth courses indicated * are not always offered in fall and winter, consult with the ECE Undergraduate Office for more detailed information or visit our website.
- All courses used to satisfy major requirements must be taken for a LETTER GRADE and completed with a C– or better.
- These plans assume that students have completed equivalent lower division MATH, PHYS and CHEM courses at the community college that are required for the major.
- Depth courses are offered only once a year. Course offerings are subject to change.
- For personalized course plans, please set up an appointment with an advisor.
- *Due to six different college requirements, only major requirements are listed.*