

ENGINEERING PHYSICS (B.S.)			
	FALL QUARTER	WINTER QUARTER	SPRING QUARTER
Year 1	ECE 15 MATH 18	ECE 25 MATH 20A CHEM 6A	ECE 30 MATH 20B PHYS 2A
Year 2	MATH 20C PHYS 2B ECE 35	MATH 20D PHYS 2C ECE 45	MATH 20E PHYS 2D & 2DL ECE 65
Year 3	ECE 100 ECE 101 MATH 110A PHYS 100A <i>(see notes below)</i>	ECE 102 ECE 103 PHYS 110A	ECE 107 ECE 109 PHYS 130A Elective #1
Year 4	Depth #1* PHYS 130B PHYS 140A	Depth #2* Elective #2 Elective #3	Eng. Design Elective #4 Elective #5 <i>(not required if using PHYS 100A as an elective)</i>

MAJOR REQUIREMENTS

Lower Division Requirements

CHEM 6A General Chemistry I

- MATH 20A Calculus I
- MATH 20B Calculus II
- MATH 20C Calculus III
- MATH 20D Differential Equations
- MATH 20E Vector Calculus
- MATH 18 Linear Algebra

- PHYS 2A Mechanics
- PHYS 2B Electricity and Magnetism
- PHYS 2C Flu,Wav,Thrmdyn,Optics
- PHYS 2D Relativity & Quantum
- PHYS 2DL

- ECE 15 Engineering Computation
- ECE 25 Intro to Digital Design
- ECE 30 Intro to Computer Eng
- ECE 35 Intro to Analog Design
- ECE 45 Circuits & Systems
- ECE 65 Components & Circuits Lab

Upper Division Requirements

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

DEPTH:7 courses

- MATH 110A
- 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
 - _____

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 applied towards an 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.
- Depth courses are offered only once a year. Course offerings are subject to change.
- For a list of acceptable electives, go to:
<http://www.ece.ucsd.edu/undergraduate/ee-ep-electives>
- For personalized course plans, please set up an appointment with an advisor.
- *Due to six different college requirements, only major requirements are listed.*