# ENGINEERING PHYSICS FALL 2009-SPRING 2013

**Name:** _________________________  **PID:** __________________

**Email:** _______________________________  **Date:** ___________

## MAJOR REQUIREMENTS:

### Lower Division

- MATH 20A (Calculus I)
- MATH 20B (Calculus II)
- MATH 20C (Calculus III)
- MATH 20D (Differential Equations)
- MATH 20E (Vector Calculus)
- MATH 20F (Linear Algebra)
- PHYS 2A (Mechanics)
- PHYS 2B (Electricity and Magnetism)
- PHYS 2C (Flu, Wav, Thrm, Optics)
- PHYS 2D (Relativity & Quantum)
- PHYS 2DL (Phys Lab - Modern Physics)
- CHEM 6A (General Chemistry I)
- 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

- ECE 100 (Linear Electronic Systems)
- ECE 101 (Linear Systems Fundamentals)
- ECE 102 (Intro Active Circuit Design)
- ECE 103 (Fundamentals/Devices & Matrls)
- ECE 107 (Electromagnetism)
- ECE 108 (Digital Circuits)
- ECE 109 (Eng. Probability & Stats)
- PHYS 2A (Mechanics)
- PHYS 2B (Electricity and Magnetism)
- PHYS 2C (Flu, Wav, Thrm, Optics)
- PHYS 2D (Relativity & Quantum)
- PHYS 2DL (Phys Lab - Modern Physics)
- PHYS 6A (General Chemistry I)
- 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)

### Depth:

- PHYS 110A (Mechanics)
- PHYS 130A (Quantum Physics)
- PHYS 130B (Quantum Physics)
- PHYS 140A (Stat & Thermal Physics)
- MATH 110A (Intro Partl Dif Equations)
- ECE 123 & 166 or ECE 135A & 135B or ECE 182 & (181 or 183)

### Professional Electives (3 Courses):

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- _____________
- _____________

### Technical Electives (1 Course):

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**Please Note (effective SP13):** PHYS 2DL and 130A have prerequisites that are not listed above.
PHYS 2DL requires 2BL or 2CL. PHYS 130A requires 100B and 110A. PHYS 100B requires PHYS 100A and 105A.
The upper division prerequisites can be applied towards elective requirements.

**ALL courses used to satisfy major requirements MUST be taken for a LETTER GRADE.**