### MAJOR REQUIREMENTS

**PLEASE NOTE:** All courses used to satisfy major requirements must be taken for a LETTER GRADE.

#### Lower Division
- MATH 20A (Calculus I)
- MATH 20B (Calculus II)
- MATH 20C (Calculus III)
- MATH 20D (Differential Equations)
- MATH 18 (Linear Algebra)
- PHYS 2A (Mechanics)
- PHYS 2B (Electricity and Magnetism)
- PHYS 2C (Flu, Way, Thrm, Optics)
- CSE 10 or 8B (Intro Java)
- CSE 12 (Data Structures &00 Prog)
- CSE 15L (Tech & Tools Lab)
- CSE 20 (Intro Discrete Math)
- CSE 21 (Math/Algorithms & Sys)
- CSE 30 (Org. & System Prog)
- Lower division elective (see below)
- ECE 35 (Intro to Analog Design)
- ECE 45 (Circuits & Systems)
- ECE 65 (Components & Circuits Lab)

#### Upper Division
- CSE 100 (Adv Data Structures)
- CSE 101 (Dsn & Analy of Algorithms)
- CSE 110 (Software Engineering)
- CSE 120 (Prin Comp Operating Systems)
- CSE 140 (Cmpnt & Dsn Tech/Digtl Sys)
- CSE 140L (Digital Systems Lab)
- CSE 141 (Intro Computer Architecture)
- CSE 141L (Proj Computer Architecture)
- ECE 101 (Linear Systems Fundamentals)
- ECE 108 (Digital Circuits)*
- ECE 109 (Eng. Probability & Stats)
- ECE 111 (Adv Digital Design Proj)
- ECE 118 (Computer Interfacing)
- Technical Electives (7 Courses total):
  - One must be:
    - CSE 111 (Adv Digital Design Proj) or
    - CSE 118 (Computer Interfacing)
- Five must be CSE/ECE Electives
  - ____________________________
  - ____________________________
  - ____________________________
  - ____________________________
  - CSE Technical Elective
  - ____________________________

**Lower division elective:**
(Effective FA14):
Minimum of two units chosen from:
CSE 3, CSE 4GS, CSE 5A, CSE 6GS, CSE 7, CSE 8A, CSE 80, CSE 86, CSE 90, CSE 91, CSE 99, or any CSE/ECE upper-division course not used to fulfill other degree requirements.

*ECE 108 was offered for the last time in SP14. **Students who did not complete ECE 108 must replace the course with a Technical Elective.** Students must also let the ECE Undergraduate Advisors know which course they plan to use in order to update their degree audits manually.*