Bachelor of Science, Electrical and Computer Engineering
Electrical Engineering Option

University of Arizona
(Revised 02/17/17)

- Students must earn a grade of C or higher in all required ECE courses. These courses are noted with a "*" symbol.
- Students who have already completed MSE 110 or Chem 152 may use it towards a Technical Elective.
- EE students must complete 8 Technical Electives. A minimum of 5 Technical Electives must be ECE courses. Remaining Technical Electives can be upper-division courses related to your major (e.g., math, physics, engineering, technology) or ECE courses.
- Students must declare advanced standing status between their sophomore and junior semesters in order to take 300-level engineering courses.

Freshman	Sophomore	Junior	Senior

Freshman

- Calculus I, Math 122A/B or Math 125 (5) or (3)
- Intro to Engineering, ENGR 102 or ENGR 102A/B (3)
- Fund of Chemistry, Chem 151 (4)
- 1st Year Composition, Engl 101 (3)
- Ind & Society, INDV, Tier 1 (3)

Sophomore (column 2)

- Calculus II, Math 129 (3)
- Intro Mech, Phys 141 (4)
- Computer Programming, ECE 175* (3)
- 1st Year Composition, Engl 102 (3)
- Trad & Culture, TRAD, Tier 1 (3)

Sophomore (column 3)

- Vect Calc, Math 223 (4)
- Electr & Magn, Phys 241 (4)
- Computer Programming II, ECE 275* (3)
- Digital Logic, ECE 274A* (4)
- Ind & Society, INDV, Tier 1 (3)

Sophomore (column 4)

- Discrete Math, Math 243 (3)
- Diff Eqn, Math 254 (3)
- Basic Circuits, ECE 220* (5)
- Optics & Thermo, Phys 143 (2)
- Ind & Society, INDV, Tier 2 (3)

Junior (column 5)

- Intro Electromag, ECE 381A* (4)
- Appl. Engr Math, ECE 310* (4)
- Circuit Theory, ECE 320A* (3)
- Technical Elective (3)
- Engr Ethics, ECE 311* (1)

Junior (column 6)

- Intro to Comm., ECE 340A* (3)
- Device Electronics, ECE 352* (3)
- Electronic Circuits, ECE 351C* (4)
- Microprocessor Org., ECE 372A* (4)
- Trad & Culture, TRAD, Tier 1 (3)

Senior (column 7)

- Interdiscpl Design, ENGR 498A (3) FALL ONLY
- Technical Elective (3)
- Technical Elective (3)
- Technical Elective† (3)
- Technical Elective (3)

Senior (column 8)

- Interdiscpl Design, ENGR 498B (3) SPRING ONLY
- Technical Elective (3)
- Technical Elective (3)
- Technical Elective (3)
- Arts OR Humanities, Tier 2 (3)