Bachelor of Science in Electrical Engineering (2015–2016) – Prerequisite Structure

SEMESTER 1
- CHEM1307 Chem. for Eng.
- CHEM1117 Chem. for Eng. Lab
- MATH2413 Calculus I
- IS 1100 Gen Ed (Amer. Govt. I)
- COSC1321 Discrete Structures
- Gen Ed (Composition I)

SEMESTER 2
- Gen Ed (Public Speaking)
- Gen Ed (Composition II)
- MATH2414 Calculus II
- COSC1315 Intro to CS
- Gen Ed PHIL 1350

SEMESTER 3
- Gen Ed (Social and Behavioral Science)
- PHYS2125 Un. Physics I Lab
- PHYS2325 Un. Physics I
- MATH2415 Calculus III
- MATH 2318 Linear Algebra
- Gen Ed (History I)

SEMESTER 4
- PHYS2126 Physics II Lab
- PHYS2326 Un. Physics II
- ENG2305 Elec. Circuits I
- MATH2320 Differential Equations
- EE2 Digital Logic
- Gen Ed (History II)

SEMESTER 5
- EE320 Circuits Lab
- EE335 Electronics
- EE345 Intro to EM Theory
- CS322 C++ Programming
- EE340 Computer Architecture
- EE322 Digital Logic Lab

SEMESTER 6
- EE336 Electronics Lab
- EE326 Signals and Systems I Lab
- EE325 Signals and Systems I
- EE329 Electric Circuits II
- CS/EE Tech. Elective
- CS/EE Tech. Elective

SEMESTER 7
- CS/EE Tech. Elective
- EE429 Communication Theory (EE307 corequisite)
- EE490 EE SENIOR DESIGN I
- EE470 Digital Design VHDL
- Gen Ed (GOVT2302 Amer.Govt. II)

SEMESTER 8
- CS/EE Tech. Elective
- EE491 EE SENIOR DESIGN II
- EE455 Digital Circuit Testing
- Gen Ed (Creative Arts)