BSEE Degree Plan (2015 – 2016)

Pre-Professional Program

MATH 1426 Calc I
MATH 2425 Calc II (with Lab)
MATH 2326 Calc III
EE 2403 Electronics I (w/ Lab)
EE 2445 Ckts II (w/ Lab)
EE 2347 Math Found of EE (w/ Lab)
EE 2441 Dig & Microproc I (w/ Lab)
EE 2415 Ckts I (w/ Lab)
EE 2312 Statics & Dynamics
CHEM 1465 Chem: Engrs (Dr Chem 1441 & 1442)
ENGL 1301 Comp I
ENGL 1302 Comp II
PHYS 1443 Phys I (w/ Lab)
PHYS 1444 Phys II

HIST 1311 US Hist I
HIST 1312 US Hist II
ENGL 23XX Literature
Fine Arts* (3 hrs)

Core Electives: Choose 2

Professional Program

EE 3446 Discrete Signals & Sys (w/ Lab)
EE 3318 Continuous Signals & Sys (w/ Lab)
EE 3437 Math Found of EE (w/ Lab)
MAE 3309 Thermal Engr
COMS 2302 Prof & Tech Comms
EE 3310 Microproc II (w/ Lab)
EE 3320 Control Sys (w/ Lab)
EE 3312 Concepts & Exer for Engr Prac (w/ Lab)
EE 3310 Prob & Random Sigs
EE 3320 Fund of Pwr Systems (w/ Lab)
EE 3444 Electronics II (w/ Lab)
EE 3407 Electromag (w/ Lab)
EE 3302 Fund of Pwr Systems (w/ Lab)
EE 4314 Control Sys (w/ Lab)
EE Elective* (3 hrs)
EE Elective* (3 hrs)
EE 4302 Concepts & Exer for Engr Prac (w/ Lab)
EE 4314 Control Sys (w/ Lab)
EE Elective* (3 hrs)
EE Elective* (3 hrs)
EE Elective* (3 hrs)
POLS 2311 US Gov't
POLS 2312 State/Local Gov't
POLS 2312 State/Local Gov't

Fine Arts* (3 hrs)

ECON 2305 Macroeconomics

* Approved lists and prerequisites available online and in the EE Advising Office
** This requirement will be waived if the student has 2 High School Units of foreign language.
*** EE4340 must be taken the semester before EE4349 and after completing all prerequisites. An EE proficiency exam will be administered prior to admission to this course and may determine concurrent enrollment in additional courses.

All Pre-Professional Courses must be completed before admission to the Professional Program.

Prerequisite
Prerequisite or Concurrent Enrollment
17 Hours
17 Hours
17 Hours
17 Hours
18 Hours
12/13 Hours
15 Hours
12 Hours