BSEE Degree Plan (2014 – 2015)

Pre-Professional Program

MATH 1426 Calc I
EE 1104 Intro to Engr
EE 1105 EE Seminar
EE 1106 EE Practicum
ENGL 1301 Comp I
CHEM 1465 Chem: Engrs (Or Chem 1441 & 1442)

MATH 2425 Calc II (w/ Lab)
CSE 1311 C Prog
PHYS 1443 Phys I (w/ Lab)
EE 2415 Ckts I (w/ Lab)

MATH 2326 Calc III
MATH 3199 Diff Eq & Lin Alg
PHYS 1444 Phys II
EE 2445 Ckts I (w/ Lab)

EE 2409 Electronics I (w/ Lab)
EE 2347 Math Found of EE (w/ Lab)
EE 2441 Dig & Microproc I (w/ Lab)
CE 2312 Statics & Dynamics

ENGL 1302 Comp II
EE 2445 Ckts I (w/ Lab)

Professional Program

EE 3446 Ckts II (w/ Lab)
EE 3417 Continuous Signals & Sys (w/ Lab)
EE 3407 Electromag (w/ Lab)
EE 3401 Electromag (w/ Lab)

EE 318 Discrete Signals & Sys (w/ Lab)
EE 3302 Prob & Random Sigs
EE 3402 Fund of Pwr Systems (w/ Lab)
MAE 3309 Thermal Engr

EE 3444 Electronics II (w/ Lab)
COMS 2302 Prof & Tech Comms

EE 4314 Control Sys (w/ Lab)
EE 3310 Microproc II (w/ Lab)

EE 4330 Telecom (w/ Lab)
COMS 2302 Prof & Tech Comms

Core Electives: Choose 2

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

POLS 2311 US Gov’t
POLS 2312 State/Local Gov’t
ECON 2305 Macro-economics
Foreign Language** (6 hrs)

* 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 EE 4349 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.