BSEE Degree Plan (2017 – 2018)

Pre-Professional Program

MATH 1426 Calc I
CHEM 1465 Chem: Engrs
EE 1201 Intro to EE
ENGL 1301 Comp I
HIST 1311 US Hist I

MATH 2425 Calc II (with Lab)
EE 1311 Embedded System Prog
EE 1106 EE Practicum
ENGL 1302 Comp II
HIST 1312 US Hist II

MATH 2326 Calc III
MATH 3319 Diff Eq & Lin Alg
PHYS 1443 Phys I (w/ Lab)
PHYS 1444 Phys II
ENGL 23XX Literature

MATH 2347 Math Found of EE (w/ Lab)
EE 2415 Ckts I (w/ Lab)
EE 2437 EE 2437 Ckts II (w/ Lab)
EE 2441 Dig & Microproc I (w/ Lab)

EE 2403 Electronics I (w/ Lab)
EE 2415 Ckts I (w/ Lab)
EE 2441 Dig & Microproc I (w/ Lab)

EE 2347 Math Found of EE (w/ Lab)
EE 2403 Electronics I (w/ Lab)
EE 2415 Ckts I (w/ Lab)
EE 2441 Dig & Microproc I (w/ Lab)

Note:
(1) All Pre-Professional courses must be completed before admission to the Professional Program
(2) Not all pre-reqs are shown on this chart; check the online course catalog for more details

16 Hours 18 Hours 17 Hours 17 Hours 17 Hours 13/14 Hours

Professional Program

MAE 3309 Thermal Engr
EE 3330 Prob & Random Sgs
EE 3316 Continuous Signals & Sys
EE 3318 Discrete Signals & Sys
EE 3407 Electromag (w/ Lab)
EE 3446 Ckts II (w/ Lab)
EE 3302 Fund of Pwr Systems (w/ Lab)
EE 3444 Electronics II (w/ Lab)
EE 4314 Control Sys (w/ Lab)
EE 3310 Microproc II (w/ Lab)

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EE 3444 Electronics II (w/ Lab)
EE 4314 Control Sys (w/ Lab)
EE 3310 Microproc II (w/ Lab)

EE 43XX EE Elective (3 hrs)
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EE 4340*** Concepts & Exer for Engr Prac
EE 4349 Engr Design Project
EE 4330 Fund of Telecom
EE 3330 Prob & Random Sgs
EE 3316 Continuous Signals & Sys
EE 3318 Discrete Signals & Sys
EE 3407 Electromag (w/ Lab)
EE 3446 Ckts II (w/ Lab)
EE 3302 Fund of Pwr Systems (w/ Lab)
EE 3444 Electronics II (w/ Lab)
EE 4314 Control Sys (w/ Lab)
EE 3310 Microproc II (w/ Lab)

POLS 2311 US Gov't
POLS 2312 State/Local Gov't
POLS 2311 US Gov't
POLS 2312 State/Local Gov't

* Approved lists are available at the EE Advising Office
** This requirement will be waived if the student has 2 High School Units of foreign language.
*** EE 4340 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.

15 Hours 12 Hours

Fine Arts* (3 hrs)
COMS 2302 Prof & Tech Comms
ENGR Elective* (3 hrs)
Math/Sci Elective* (3 hrs)

Fine Arts* (3 hrs)
COMS 2302 Prof & Tech Comms
ENGR Elective* (3 hrs)
Math/Sci Elective* (3 hrs)

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