BSEE Degree Plan (2018 – 2019)

Pre-Professional Program

MATH 1426  
Calc I

MATH 2425  
Calc II

MATH 2326  
Calc III

MATH 1319  
Embedded Prog

PHYS 1443  
Phys I

PHYS 1444  
Phys II

EE 1101  
Intro to EE

EE 1106  
EE Practicum

EE 2415  
Ckts I

EE 2403  
Electronics I

EE 2441  
Dig Sys & microcontrol

ENGL 1301  
Comp I

ENGL 1302  
Comp II

HIST 1311  
US Hist I

HIST 1312  
US Hist II

ENGL 23XX  
Literature

Fine Arts*  
(3 hrs)

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
(3) UNIV 1131 for Freshman only; for transfer student: ENGR 1201 & EE 1101, or EE 1201

16 Hours  18 Hours  17 Hours  17 Hours

Professional Program

EE 3330  
Prob & Rand Signals

EE 3316  
Signals & Systems

EE 3318  
Real-Time DSP

EE 3302  
Fund of Pwr Systems

EE 3407  
Electromag

EE 3406  
Ckts II

EE 3444  
Electronics II

COMS 2302  
Prof & Tech Comms

EE 4314  
Control Sys

EE 4330  
Fund. of Telecom

EE 4331  
Advanced Microcontrol

EE 4340  
Junior Project

EE 4341  
EE Elective

EE 4349  
Engr Design Project

EE 4340***  
EE4340 must be taken the semester before EE4349 and after completing all prerequisites.

Math/Sci Elective*  
(3 hrs)

EE 43XX  
EE Elective

EE 43XX  
EE Elective

POLS 2311  
US Gov't

POLS 2312  
State/Local Gov't

ECON 2305  
Macro-economics

Foreign Language**  
(6 hrs)

Core Electives:  
Choose 2

* 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.
***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.

17 Hours  13/14 Hours  15 Hours  12 Hours