BSEE DEGREE PLAN (2010-2011 Catalog)

PRE-PROFESSIONAL COURSES

- E E 1104 Intro to Engr (1-0)
- E E 1105 Intro to E E Lab (1-2)
- PHYS 1443 Gen. Tech. I (with Lab)
- Math 1426 Calc. I
- ENGL 1301 Comp. I
- CHEM 1465 Chem. For Engrs. (with Lab) or CHEM 1441
- CSE 1311 C Programming
- PHYS 1444 Gen. Tech II (with Lab)
- Math 2425 Calc. II
- ENGL 1302 Comp. II
- HIST 1311 US Hist. I
- E E 2315 Circuits I with Lab (3-2)
- MATH 3319 Diff. Eq. & Lin. Alg
- Math 2326 Calc. III
- E E 2347 Computer Methods for E E
- HIST 1312 US Hist. II
- E E 2332 Statics & Dynamics
- E E 2307 Electromagnetics w/ Lab (4-2)
- E E 2303 Electronics I
- E E 2341 Dig. Ckt Dsgn (w/ lab) (2-3)
- COMS 3302 Prof. & Tech Communication

All courses on the left-hand side must be completed before admission to the Professional Program.

Courses on the right-hand side can be taken before or after admission to the Professional Program.

7/27/10
**EE-PROFESSIONAL COURSES**

Only for students in the Professional Program

(Application form for Professional Program admission available in EE Advising Office)

- **EE 2303** Electronics I
- **EE 2341** Digital Ckt Dsgn
- **MATH 3319** Diff. Eq. & Lin. Alg
- **CSE 1311** C Programming
- **EE 2307** Electromagnetics
- **EE 2344** Electronics II (with Lab)
- **EE 3302** Power Systems Fundamentals
- **EE 3308** Electromagnetics
- **EE 3310** Microprocessors
- **EE 3317** Linear Systems
- **EE 3318** Discrete Signals & Systems
- **EE 3330** Prob. Random Signals
- **EE 3331** Linear Systems
- **EE 3444** Circuits II
- **EE 3446** Circuits II
- **MATH 333** Diff. Eq. & Lin. Alg
- **CSE 1311** C Programming
- **EE 4340** Concepts & Exer for Engr Prac
- **EE 4349** Engineering Design Project
- **EE 4347** Computer Methods
- **MAE 3309** Thermal Engr.
- **EE 4314** Control Systems
- **EE 4330** Telecom. Systems
- **ECON 2305** Macroeconomics
- **POLS 2311** US Govt.
- **POLS 2312** State & Local Govt.
- **ENGL X3XX** Literature
- **COMS 3302** Prof. & Tech Communication
- **ENGR Elective** 3 Hrs.
- **Fine Arts Elective** 3 Hrs*
- **Foreign Lang** 6 Hrs.
- **Math/Science Elective** 3 Hrs*
- **EE Elective** 3 Hrs.
- **ECON Elective** 3 Hrs.
- **ENGR Elective** 3 Hrs.
- **MAE Elective** 3 Hrs.

**TOTAL HOURS FOR THE BSEE DEGREE: 129**

* Approval lists and prerequisites available in EE Advising Office
** This requirement will be waived if student has 2 High School Units of foreign language. The HS Transcript must be submitted to verify credits.
***Courses shown as co-requisite with EE4340 will likely be taken in an earlier semester.