**DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING**
**BACHELOR SCIENCE ELECTRICAL ENGINEERING (BSEE)**

**CORES / ELECTIVES:**

**Primary Technical Core:** 8 courses including an Advanced Math and Advanced Lab

**Secondary Technical Core:** 4 courses including an Advanced Math and Advanced Lab

**NOTE:** As of Fall 2012, UT Austin now requires students in the 2014-2016 Catalog to successfully complete two (2) additional FLAG courses in order to meet graduation requirements. ONLY DESIGNATED COURSE SECTIONS WILL COUNT TOWARDS THESE FLAG.

1. Cultural Diversity
2. Global Cultures

**OTHER REQUIRED COURSES:**

- GOV 310L (or Equivalent)
- GOV 312L (or Equivalent)
- HIS 3US
- HIS 3US
- *Visual & Performing Arts
- *Social & Behavioral Science
- *Approved Elective

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**RHE 306**

**EE 306**

**EE 312**

**EE 319K**

**EE 411**

**EE 313**

**EE 316**

**EE 333T**

**EE 340L**

**EE 364D**

**EE 464**

**M 340L**

**M 408C**

**M 408D**

**M 427J**

**PHY 303K**

**PHY 303L**

**PHY 103M**

**PHY 103N**

**Primary Tech Core Requirement**

**Secondary Tech Core Requirement**

**Primary Tech Core Elective**

**Secondary Tech Core Elective**

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**Prerequisite course**

*“a grade of “C-” or better is required**

*M 340L requires designated section for EE students

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**Co-requisite course**

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The double-lined boxes represent **lower division courses**

Students MUST earn a “C-” or better and an in-residence GPA of at least 2.00 in lower division courses.

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1. Cultural Diversity
2. Global Cultures

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*Visual & Performing Arts

*Social & Behavioral Science

*Approved Elective
## TECHNICAL CORES

**STEP 1: SELECT A PRIMARY TECHNICAL CORE:** ___________

**CHOOSE 8 COURSES: REFER TO 2012-2014 TECHNICAL CORE HAND-OUT FOR ADDITIONAL ELECTIVES**

| Major Profile                  | Technical Core                                      | Advanced Math | Core                          | Core                           | Core Lab                          | Elective                        | Elective                  | Elective         | Elective       |
|-------------------------------|----------------------------------------------------|---------------|-------------------------------|-------------------------------|----------------------------------|----------------------------------|--------------------------|-------------------|----------------|----------------|
| **ELECTRICAL Engineering**    | Communications, Signal Processing, Networks & Systems | M 427L        | EE 325                        | EE 351M                       | EE 445S                         |                                  |                          |                  |                |                |
|                               |                                                    | for Applications II | Co-requisite M 427L | or EE 362K Introduction to Automatic Control | Processing Laboratory Co-requisite EE 351K |                                  |                          |                  |                |                |
| **COMPUTER Engineering**      | Computer Architecture & Embedded Systems          | M 325K        | EE 316                        | EE 460N                       | EE 445L                         |                                  |                          |                  |                |                |
|                               |                                                    | Discrete Math | Digital Logic Design          | Computer Architecture         | Microprocessor Applications & Organization |                                  |                          |                  |                |                |
| **Software Engineering & Design** | M 325K | Discrete Mathematics | EE 360C Algorithms Pre-requisite M 325K | EE 422C Software Design & Implementation II | EE 461L Software Engineering & Design Laboratory |                                  |                          |                  |                |                |

### ACADEMIC ENRICHMENT:
- Can ONLY be taken as Secondary Technical Core & at least **14 credit hours** of coursework to include an approved advanced math/science course. An Advanced Lab is **NOT** required and only **THREE** credit hours of a lower division course may count.
- "Software Engineering / Academic Enrichment: You will have additional course requirements in Software Engineering & Design. Depending on your senior design project in EE 364D (software vs. hardware component), you **MUST** follow the Additional Procedures section when choosing your Software Engineering technical core electives, these can be found on the ECE Undergraduate website OR in the Advising Offices in Anna Hiss Gym.

**STEP 2: SELECT A SECONDARY TECHNICAL CORE:** ___________

**CHOOSE 4 COURSES: REFER TO 2012-2014 TECHNICAL CORE HAND-OUT FOR ADDITIONAL COURSE SUBSTITUTIONS IF NEEDED**

<table>
<thead>
<tr>
<th>Advanced Math</th>
<th>Core</th>
<th>Core</th>
<th>Core Lab</th>
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- **Software Engineering** / Academic Enrichment: You will have additional course requirements in Software Engineering & Design. Depending on your senior design project in EE 364D (software vs. hardware component), you **MUST** follow the Additional Procedures section when choosing your Software Engineering technical core electives, these can be found on the ECE Undergraduate website OR in the Advising Offices in Anna Hiss Gym.