

# DEGREE PLAN INSTRUCTIONS FOR COMPUTER ENGINEERING MAJORS (CS TRACK)

2014-2015 Academic year

The instructions contained in this packet are to be used as a guide in preparing the Departmental of Computer Science and Engineering (CSCE) Degree Plan Form for the Bachelor's Degree in Computer Engineering (CECN). A degree plan is required to be filed in Howdy by the student's third semester at the University.

Degree audits are produced by the Registrar's Office and can be viewed on-line at [howdy.tamu.edu](http://howdy.tamu.edu). The audit should be carefully reviewed by the student with his/her advisor, to determine the progress toward a degree.

## Total Hours Required

The total hours on the degree plan must be at least 128. Note that the 128 hours **does not** include the two International and Cultural Diversity courses. This is because these classes can be used to satisfy both the International and Cultural Diversity requirement **and** another requirement on the degree plan—see our Web page for a list of the courses that can be used in this way. This is the **only** place where one course can be used in two places on the degree plan.

**Please note that the 128 total hours do not include a required foreign language. It is the student's responsibility to meet the University's foreign language requirement.**

## Comments and Observations

Before visiting the Undergraduate Advisor about a degree plan, the student should make as many decisions as possible. One problem area is transfer credits. It is sometimes difficult to know which courses may be used. Efforts are made to allow 'reasonable' substitutions. A student must submit a copy of his/her transcript evaluation and a completed substitution form along with the degree plan form if credit for transferred courses is desired.

It is the **student's responsibility** to have a degree plan meet minimum requirements. Everyone involved will check, but if a graduating senior's degree plan is not acceptable (e.g., only 127 hours), the student will not graduate until the problems have been corrected.

## Required Courses

Take all courses listed on the Degree Plan. **All courses inside the boxes must be passed with a grade of "C" or better.**

## CE Area Elective Courses

Fifteen (15) hours of CE area electives are required (5 courses). In meeting this requirement, students are required to satisfy two depth tracks, each consisting of two courses (four courses total). The listing of depth tracks is provided separately. The remaining course can be chosen from approved CPSC, ECEN, or ENGR 385/270/470 classes:

### Computer Science and Engineering Courses (CSCE)

Take any 300+ or 400+ courses from the Computer Science and Engineering Department

that are not included in the required courses list. Students wishing to use CSCE 485, CSCE 489, or CSCE 491 must receive approval from the undergraduate advisor (CSCE dept.).

### **Electrical and Computer Engineering Courses (ECEN)**

Take ECEN 322, ECEN 326, ECEN 338, 351, 370 or any ECEN 400+ course except for those already required (e.g., ECEN 454) or equivalent to one required (e.g., ECEN 449). Students wishing to take ECEN 485 or ECEN 489 must receive approval from the **CSCE dept.** undergraduate advisor.

### **Other Courses**

ENGR 385 (co-op) credits and EPICS (ENGR 270 and 470) credits may be used to fulfill CE area elective requirements. Excess credits above 3 cannot be used. Students *are* allowed to combine ENGR 385 credits with EPICS course credits; see CSCE advising for details.

### **Engineering Technical Elective course**

A three (3) hour Engineering Technical Elective course is required. The list of approved courses is provided separately.

### **University Core Curriculum courses**

Refer to [core.tamu.edu](http://core.tamu.edu) for information on the core curriculum courses. The following degree-specific adjustments to the core curriculum should be noted:

**Communication:** the Communication requirement must be filled by taking two courses:

- ENGL 104
- One of the following: ENGL 210, COMM 205, COMM 243

**Mathematics:** the Mathematics requirements must be filled by the courses specified in the degree plan

**Life and Physical Sciences:** the requirement must be filled by the courses specified in the degree plan

**Language, Philosophy, and Culture:** the requirement must be filled by ENGR 482 (or PHIL 482), which is a required course. You must take a writing intensive section (a “900” section) of this course.

The University’s core curriculum requirements are unchanged in the following areas: Creative Arts; American History; Government/Political Science; and Social and Behavioral Sciences. The International and Cultural Diversity requirement is unchanged from the University’s requirements. Follow the University’s instructions in these areas.

### **Foreign Language Requirement**

Proficiency in a foreign language is required to graduate from Texas A&M University. This requirement can be met by:

- Completing two units (two full years) of high school course work in the same foreign language.
- Completing two semesters (one full year) of course work at the college level in the same foreign language, or
- Demonstrating proficiency in a foreign language by examination. See the undergraduate catalog for additional requirements under graduation requirements and Foreign Language.