Dear ECE Student,

Congratulations! You are in the final year of studies, and are now prepared to develop a plan to finish your BSEE degree within two semesters.

You deserve congratulations because you have made it through the “gauntlet” that composes the junior-level EE courses. That means that you are ready to embark on a concentration, if you have not done so already. Additionally, you are scheduled to take the two-semester sequence that comprises the capstone design course: Senior Projects. In order to facilitate the final year planning process (and advising) you are asked to fill out this worksheet prior to scheduling an advising appointment. To be explicit, the steps are:

1. You will need to access your Goldmine account, the ECE Advising section of Blackboard, and fill several forms electronically.
2. Complete the Blackboard Quiz about advising. This is the last semester you are required to take the quiz or attend the group compliance session.
3. If you took EE3109 and EE3438 then follow the 2008 degree plan; OR if you took EE2350 and EE2353 then use the 2010-2014 plan.
   a. Please obtain a CAPP print-out from your Goldmine account (Degree plan evaluation). (Goldmine → Student Records → Degree Evaluation → Select term) Verify it shows the degree plan that corresponds to you, either 2008 or 2013 catalogs are correct. If you are following a different degree plan you might need to select “what-if analysis” and generate a new form for “BS in Electrical Engineering”. Include “Use In-Progress Courses”
   b. Download the MS-Excel electronic version of the degree plan. (available in the Blackboard → ECE Advising → Degree plans section). You need MS-Office 2010 or newer to be able to use the full capabilities of the electronic form. Otherwise use the printed PDF if you are still in the 2008 plan.
   c. Fill the degree plan checklist including the grade obtained as it appears on your transcript. (A, B, C, D, TA, TB, TC, TD, TCR). Remember that almost all courses need now a grade of C or better. For courses you are taking this semester in progress put “P”. Leave blank courses you have not taken yet.
   d. University core electives are the Arts and Humanities options.
   e. Mark all substitutions (E.g. EE4395 Quantum for PHYS3325) please include the note in the proper area.
4. Examine the completed worksheet, and note which courses remain to be completed.
5. Turn to the page entitled, “Final Year Planning.” Fill out the grid for the last two semesters based on the “Worksheet.” Concentration courses are addressed in the next step. NOTE: the technical elective is a separate course, and none of the courses used to complete your concentration may be double-booked as your technical elective. Therefore, you have 5 courses to choose (4 concentration courses, plus 1 technical elective).
6. Use the “BSEE Concentration Worksheet,” in combination with “Proposed Concentration Courses” for “Senior 1 semester” and “Senior 2 semester” to complete your “Final Year Planning.”
   a. TIP: it is usually better to load the semester in which you enroll in EE 4220 (Senior Project I) with more credits than the final semester. Reserve any Humanities or Visual & Performing Arts for your last semester. If you can carry fewer credits during the last semester, that is to your advantage, just in case you need the extra time for EE 4230 (Senior Project II).
7. Upload the degree plan file in the “Assignment” area in Blackboard and submit electronically
8. Submit your completed worksheets and CAPP printout to the ECE front desk, and sign up for an advising appointment.

Best of luck, and enjoy your final year!

Department of Electrical and Computer Engineering
Annex A 325
(915) 747 - 5470
BSEE Final Year Planning

Please complete the section below with the set of courses you plan to enroll during your final year to graduate within two semesters. Just remember that most electives are offered only once each year or sometimes every three semesters.

Sample:

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<tr>
<th>Name: Sample Student</th>
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<tbody>
<tr>
<td><strong>FALL 2011</strong></td>
<td><strong>SPRING 2012</strong></td>
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<tr>
<td>EE 4220 Snr Proj. Lab I</td>
<td>2 EE 4230 Snr Proj. Lab II</td>
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<tr>
<td>EE 4195 Snr Prof. Orientation</td>
<td>1 EE 43xx Option Course</td>
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<tr>
<td>EE 3329 Electronic Devices</td>
<td>3 EE 43xx Option Course</td>
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<td>EE 4210 EE Lab II</td>
<td>2 Tech Elec</td>
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<td>EE 43xx Option Course</td>
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Your Plan:

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<th>Name:</th>
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<td><strong>Spr. / Fall 201</strong></td>
<td><strong>Fall / Spr. 201</strong></td>
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<tr>
<td>EE4220 Snr Proj. Lab I</td>
<td>2 EE 4230 Snr Proj. Lab II</td>
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# BSEE Concentration Worksheet

**CONCENTRATIONS** (circle concentration, and place a ✓ next to completed courses on the list):

## GENERAL – Select 4 courses, at least one from each of the other 3 concentrations:
- 1 course from the Fields & Devices list
- 1 course from the Computer Engineering list
- 1 course from the Systems & Communication list
- 1 course from EE (any list)

### Computer Engineering – 4 courses:
- EE 3372 – Software Design II
- EE 3437 – Operating Systems
- EE 4342 and EE 4142 – Digital Systems Design II & Lab
- EE 4365 – Topics in Soft Computing
- EE 4366 – Fuzzy Logic and Engineering
- EE 4372 – Microcontroller Applications
- EE 4375 – VLSI Design I
- EE 4376 – CMOS Digital Circuit Design
- EE 4378 and EE 4178 – Microprocessor Systems II & Lab
- EE 4379 – Computer Architecture

### Fields & Devices – 4 courses – select 1 course from another concentration, and select 3 courses from:
- EE 3385 – Energy Conversion
- EE 4347 – Applied Electromagnetics
- EE 4350 – Integrated Circuits & Semiconductor Devices
- EE 4352 – Power Electronics
- EE 4353 and EE 4153 – VLSI Nanotechnology & Lab
- EE 4361 – Fiber Optic Communications
- EE 4375 – VLSI Design I
- EE 4376 – CMOS Digital Circuit Design
- EE 4380 – Microwave Communications
- EE 4382 – Antenna Engineering
- EE 4385 – Biomedical Instrumentation
- EE 4386 – Computational Methods in Electrical Engineering
- EE 4389 – High Resolution Radar

### Systems & Communications – 4 courses – select one of a) ee4383, b) ee4341 or c) ee4388, select two from list below and the 4th from another concentration.
- EE 3354 – Intro to Communication Networks
- EE 4341 – Communication Systems
- EE 4356 – Real Time Signal Processing & Communication
- EE 4361 – Fiber Optic Communications
- EE 4364 – Systems & Controls
- EE 4383 – Digital Signal Processing
- EE 4388 – Digital Communications
- EE 4389 – High Resolution Radar

## TECHNICAL ELECTIVE (choose one course from the list):
- ✶ EE 4181, 4182, AND 4183 (3 credits total) – Co-Op Experiences I, II, and III
- ✶ Other courses – see advisor for current list of courses.

**Note:** The selected course should be outside of the student’s area of concentration. Select courses may be substituted for this requirement, as approved by the student’s advisor.

## NOTES:
- **EPCC Transfer Hours:** A maximum of 66 hours from EPCC may be applied toward this degree.
- **90-Hour Rule:** Freshmen level hours will not be counted toward degree total if taken after you have completed 90 hours.
- **C Rule:** A minimum grade of C is required for all core curriculum courses, all lower-division courses, and all courses marked with a superscript 1.
- **Substitutions:** All course substitutions must be approved in writing (course substitution form).
- **Residency Requirements:** At least 24 of the last 30 hours must be taken at UTEP.
- **GPA Requirements for graduation:** The minimum overall GPA is 2.0, and minimum in-major GPA is 2.0.