



To: Electrical Engineering Undergraduate Students
From: Dr. Laurie Joiner, EE Program Chair
CC: Dr. Jennifer English, Associate Dean, Center for Undergraduate Engineering Education
Dr. Robert Lindquist, Department Chair, Electrical and Computer Engineering
Dr. Aleksander Milenkovic, CPE Program Chair
Date: 3/28/2012
Re: Changes to the EE Program Curriculum

The EE Program Committee has approved several changes to the Electrical Engineering curriculum. These changes are effective August 2012 for the 2012-2013 academic year. Regardless of your catalog, these changes may affect you and you should review the changes/recommendations below with your academic advisor.

Change 1: Three required EE courses will be moved from the 400 level to the 300 level. There are no changes in course prerequisites, description, or grade basis.

EE 447 (Electromagnetic Engineering) is now EE 308
EE 420 (Random Signals and Noise) is now EE 385
EE 425 (Intro to Control and Robotic Systems) is now EE 386

Change 2: Effective Fall 2012, EE 214 and EE 305 will be deleted from the EE curriculum. In their place will be a one-credit-hour laboratory course that covers the relevant parts of EE 214 and EE 305. The new laboratory course will be numbered EE 316 and called *Electrical Circuits and Electronic Devices Design Laboratory*.

If you have taken both EE 214 and EE 305, there is no action required. You will not take EE 316.

If you have not taken either EE 214 or EE 305 as of Spring 2012, you are advised to wait until Fall 2012 to take the EE 316 laboratory.

If you have taken EE 214, but not EE 305, you should try to take EE 305 in the summer of 2012. If this is not possible, you will take EE 316 in a future semester.

Change 3: CPE 212 will no longer be required for the EE curriculum. Instead, CPE 221 will be required. Note that CPE 221 is a renumbered version of CPE/EE 321. CPE 221 is a prerequisite for CPE 323.

If you have already taken CPE 212, you are encouraged to take CPE 221 as an elective prior to taking CPE 323. If you don't wish to take CPE 221, you will need an override to register for CPE 323.

If you have taken EE 321, you will not take CPE 221 as they are the same course. You will not have to take CPE 212, but you may take it as your technical elective.

Change 4: CPE 323 will now have a separate laboratory, CPE 325, which is a mandatory co-requisite with CPE 323.

If you have already taken CPE 323, you have no action.

If you have not taken CPE 323, you will register for both CPE 323 and CPE 325 starting Fall 2012.

Change 5: EE 494 will have prerequisites of all 300-level required ENG courses. This means in addition to needing a C or better in EE 315, CPE 323, and ISE 321, you will also need a C or better in EE 310, EE 313, EE 383, EE 384, EE 316, EE 308, EE 385, EE 386, and CPE 325.

New courses:

There is a new senior-level course in controls called EE 486 Introduction to Modern Control Systems. The prerequisite for this course is EE 425 (now EE 386)

New tracks:

CPE 322 and CPE 426

CPE 448 and CPE 449

EE 424 and EE 454