

Reminders for Spring 2010 regarding CS courses:

If you took CS1131 in fall 2009, take CS1721 in Spring 2010 (required for CpE majors, CS minor pre-req)

If you planned to take CS1122 and CS1721 in Spring 2010, take CS1090 in their place. Do not take CS1721.

[Changes effective Fall 2010](#): CpE Degree

CS Dept is working on plans for course offerings for the 2010-2011 year.

EE4431 will become EE4173, Computer System Architecture, 3 cr. with a pre-requisite of EE3173.

*EE3173 must be complete prior to taking EE4173.*

Update your academic plans accordingly if you did not take EE4431/CS4431 prior to Fall 2010.

EE4173 will not be double-listed as a CS course like EE4431 was.

*EE4173 plus one credit of free elective will replace EE4431 on your degree requirements if you did not take EE4431 prior to Fall 2010.*

New CS course next year: CS3331, Concurrent Programming, 3 cr. - cool CpE Technical Elective

Embedded systems and General Purpose tracks.

pre-reqs: CS2311, CS2321, CS1141 (or CS2141)

For students beginning **Summer/Fall 2010 and later**:

As of 2010-2011 audit year: CS3411 will replace CS4411 as a required course for CpE majors and

EE4173 will replace EE4431 as a required course for CpE majors.

EE4900 is a required class for both senior design and enterprise students.

EE3173 must be complete for senior design courses EE4901, ENT4950 or MEEM4901.

### July 2009

Beginning Fall 2009, (EE3173 or EE4431) and (EE3130 or EE3305) is a pre-requisite to ENT4950, enterprise project work for senior design credit, (same preqs for EE4901). A permission form is required to enroll in ENT4950 which verifies you are "senior design ready" and documents meeting senior design objectives for ABET accreditation. Get the form from your enterprise faculty advisor.

Spring 2008 was the last offering of EE3175 and EE3970. If you did not get these courses, you will take EE4431 (4 Cr) instead, in a future semester.

CS3421 is the pre-requisite to EE4431. If you took EE2171 instead of EE2173, and did not take EE3175 & 3970, you will need 1 credit of free elective.

EE 2171: Last offering of 2 credit Digital Systems class is Summer 2008. EE2173, Digital Systems- 3 credits, will replace EE2171 beginning Fall 2008.

If you took CS1131 in place of CS1121 and CS1122, one credit of 'free elective' may be needed to meet overall degree requirements. Check with the advisor 2 semesters prior to graduation.

**CS3911** is a required course offered only in Fall semesters. It is suggested in fall semester of your Junior year.

Consider this when planning a **co-op** or **study-abroad** semester.

Plan ahead for the CpE Technical Electives you want to take. Read your Yellow Sheets carefully. Make sure you know pre-requisite chains.

[Helpful Pre-req chart](#) due to abundance of arrows, read footnotes for complete pre-req information.

*Check all pre-requisites for your courses, especially if you get "Off Track".*

**Path C Students:** You must begin path C in your first semester here. Many Transfer students are eligible for the Path C option. Take 6 credits of technical or computing electives in place of the first-year engineering courses. At least 3 credits must be engineering topics. See advisor for details. CpE/EE double majors, 6 credits must be engineering courses, same if you change your major to EE.

**General Distribution requirement:** Computer Engineers who began Fall 2005 or later:

One of your general distribution courses must be from this list: **SS3510, SS3520, SS3530, SS3630, SS3640, SS3800.** (Institutions list)

Plan to take one of these courses before you graduate. Double majors CpE/EE must also complete this requirement.

SS3640 is on the new HASS Supplemental List. You may take no more than 3 credits from the HASS supplemental list (applies to students using Fall 2008 or later requirements). **SS 3640 - Selected Topics in Cyber-Law Offered Fall 2009, alternating yrs. HASS Supplemental course.**

**NEW courses - CpE Technical Elective Credit,** See [course descriptions](#) for details.

CS3331 – Concurrent Programming (available 2010-2011) Embedded Systems and General Purpose tracks

EE3180 – Introduction to Probability and Random Signal Analysis Embedded Systems and Theory Tracks

Other additions that are fairly recent:

EE 4732 - Real-Time System Design 3 cr, Fall, Embedded Systems Track

EE 4735 - Embedded System Programming using Sensor Networks and Mobile Robots, 3 cr, Spring

EE4723 – Computer & Network Security, Embedded Systems and General Purpose tracks

CS4760 – Human-Computer Interactions, General Purpose track

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