

## NEW CE Curriculum Guidance

### We have a new CE curriculum. The new curriculum features the following:

- Inclusion of CE 250 (formerly CE 297) – Intro. To Sustainable Infrastructure for all students and the removal of CE 390 from the CE curriculum.
- Revision of required and elective courses and a streamlining of senior design requirements to enable more flexibility in decision between CE 420 (Structures Senior Design) and CE 450 (Civil Engineering Senior Design)
- Incorporation of new Senior Elective slot and the addition of CE-relevant elective options
- Change in course numbering for CE 382 (CE 282) and CE 313 (CE 225).

### Notes:

- *until the NC State system of courses is updated, students will need to register for new courses with their original title: CE 250 = CE 297, CE 282 = CE 382, and CE 225 = CE 313*
- *Similarly, new requisites will not be up to date in the NC State system. Therefore students on the new curriculum **should enroll in courses to meet the new requirements** and they will be moved to the new curriculum when possible*
- **CE Core Course - Lab Intensive Elective I & II** – Presently the only options for this elective are CE 342 and CE 332. This means that all students on the new CE curriculum must take both CE 342 and CE 332. The Plan of Work and Worksheet will be updated to reflect this.

### A student should be on the new CE curriculum under the following conditions:

- They are entering the department after Spring 2018
- They have taken CE 297 in their sophomore year
- They are currently a sophomore and have not taken CE 297
- Most students in the 2<sup>nd</sup> semester of their Junior year and beyond should remain in their current curriculum. If a student at this point in their degree believes they would like to transition into the new curriculum, they can make an appointment with Dr. Aziz, Dr. Seracino, or Mr. Smith to review their plan of work.

*Note: If a student is not going to be switching to the new curriculum, they should not enroll in CE 250 and will still need to take CE 390.*

## CE Course Offering Changes/Updates

1. **ABM option available for eligible students. See handout for eligibility and process.**
2. **CE 499 – Undergraduate Research Thesis.** This is a new course developed as an elective option for the new CE, CON, and ENE curricula. Students interested in undergraduate research must follow the guidelines listed on the CCEE Academics Page. CE students on the old curriculum may take this course as a CE/MA/SCI elective.
3. **CE 420 requisites have changed to: Prerequisites C- or better in CE 325, CE 327, CE 342 and CE 426;**
4. **CE 450 – Civil Engineering Senior Design.** There are new requisites for this senior design course based on changes to the CE curriculum. CE 450 now lists the following as requisites: Prerequisites: CE 305, CE 342, CE 383; Co-Requisites: one of CE 488, CE 443, CE 444, or CE 413.
  - We will accept current and new pre/co-requisites for students already late in the program but all students able to meet the new CE 450 requirements should.

## CE 250 – Intro to Sustainable Infrastructure (formerly CE 297)

Current Juniors and Seniors who have not yet taken CE 297 should enroll in CE 390.

## CODA and Graduation

1. **Admission to department (CODA) determined by GPA calculated in engineering success courses.**
  - CODA is entirely managed by the COE (i.e. CCEE doesn't make decisions about admission, only Dave Parish)
  - Engineering Success Score (ESS) based on grades in CH 101/102, MA 141, MA 241, PY 205, ENG 101, E 101, E 115. Must have a C or better in these courses.
  - Students will be admitted on an ESS GPA basis w/ highest GPA's being admitted first.
  - Transfers from other department are also managed by the COE.
3. **Graduation**
  - Graduation applicants apply online, turn in marked-up degree audits to COA with the Blue Card. Blue Card reviewed and signed by Advisor during advising period; CCEE and COE review later.
  - Student Athletes and others with Financial Aid requirements can update each semester
  - Graduation Requirements:
    - Meeting all curriculum requirements (GEP and CCEE) *plus*
    - Overall GPA  $\geq 2.0$  (no exceptions; University requirement) *plus*
    - GPA in the major  $\geq 2.0$ ; or C- or better in all CE courses used for graduation
  - **Note: sequence of courses (pre-reqs) causes many problems with timely graduation**

- **Cannot be used for graduation:**
  - any S/U except PE, E 115
  - E 490 (FE rev), ST 311 (AP); any MA < 141

## Course Substitutes and Transfers

### 1. Substitutes:

- **COMPUTING course:** MATLAB (MA 116 or CSC 113) is NOT accepted as course equivalent to CSC 111 PYTHON.
- **Please encourage all students to follow the Plan of Study with regard to the timing of all courses.**
- MAE Substitutes for CE Courses (*students should enroll in the CE courses; students will need a note from the CCEE UG office to enroll in MAE courses*)
  - CE 214 “=” MAE 206
  - CE 313 “=” MAE 314 (as of Fall 2016 new course number is MAE 214)
  - CE 382 “=” MAE 308
- E 115 = PMS 100 (no other substitutes);

### 2. Transfers

- To find pre-approved credits type in “course equivalents” in search block on NCSU website (but the list is not complete); otherwise approved through COA (takes 2 wks +)
- Transfer students entering NCSU are enrolled in E102 (cannot take E101).  
College of Engineering Transfer Coordinator - Dr. Kim Roberts, kim\_roberts@ncsu.edu

## Administrative Advising Questions

1. Non-CODA students cannot enroll in CE 3xx or higher courses except under unusual circumstances; all non-CODA enrollments in these courses must be approved by the Coordinator of Advising.
2. **Grade Exclusion**
  - students can drop up to 2 courses (includes old "Freshman Repeat") from GPA; if course required for graduation is excluded, that course **MUST** be retaken; form: MN 203 or download
3. **Course Repeats**
  - W and U count as attempts
  - Students cannot register a 3<sup>rd</sup> time without approval from COE. The following additional restrictions apply to 3<sup>rd</sup> attempts.
    - A 3<sup>rd</sup> attempt may only be granted for (1) of these courses: CE 214, CE 250/CE 297, CE 313/CE 225, CE 382/CE 282, CE 342, or CE 332.
    - Students must be aware that this standard is in effect for anyone pursuing the C- plan. For example, a student that has used the 3<sup>rd</sup> attempt on CE 214 cannot retake another course on this list for the 3<sup>rd</sup> time in order to graduate.
4. **Academic Warning or Suspended (handled by University - GPA & hrs basis)**
  - Student develops a plan; advisor approves & signs form (looking for plan, "working harder" is not a plan)
  - A student not making satisfactory progress in the degree can/will be moved out of the department
5. **Final Exam Policy**
  - 3 or more final exams in a 24 hour period (not in 2 days) - student goes to R&R (1000 Harris Hall); has schedule verified, and obtains a form approving their request to change the exam date; student takes the form to the instructor and arranges for a new examination date
  - **Senior Retake** - Graduation Denied due to Grade in ONE course in LAST semester (ALL other graduation requirements met)
    - go to COE (verify), obtain application form; CCEE approves
    - (new) final is comprehensive
    - No 2<sup>nd</sup> re-exam
    - schedule within 1 month of intended graduation
    - allowable grades = C(+/-), D (+/-), F