

## CSCE advising orientation meeting for lower-division students

Fall 2012

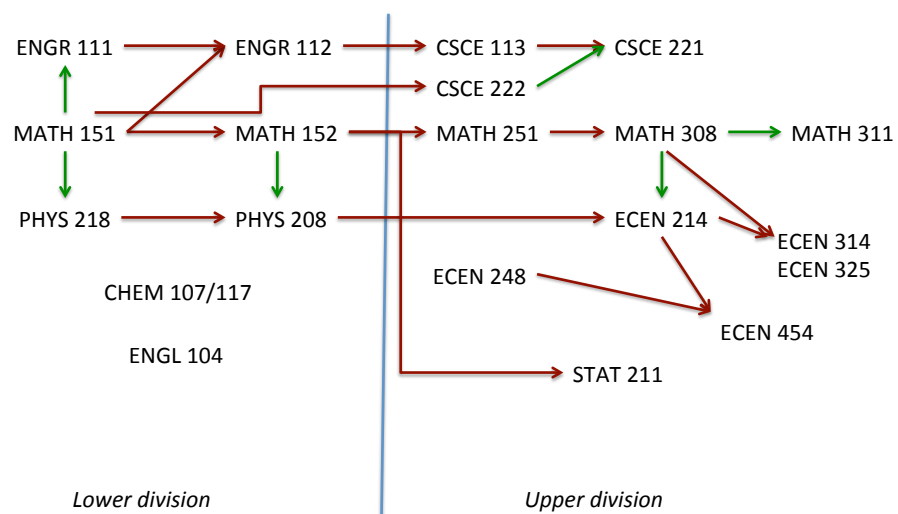
### Abbreviations and Resources

- Department: CSCE (Computer Science and Engineering)
  - Computer Science major: lower division (CPSL) and upper division (CPSC)
  - Computer Engineering major (CS track): lower division (CECL) and upper division (CECN)
- Department advising website
  - <http://www.cse.tamu.edu/academics/undergraduate>
- University undergraduate catalogs
  - <http://catalog.tamu.edu/>

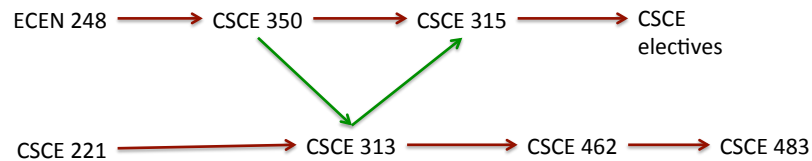
## Overview of session

- Computer Engineering major
- Computer Science major
- General considerations

## CECN



## CECN, continued



## CECN notes

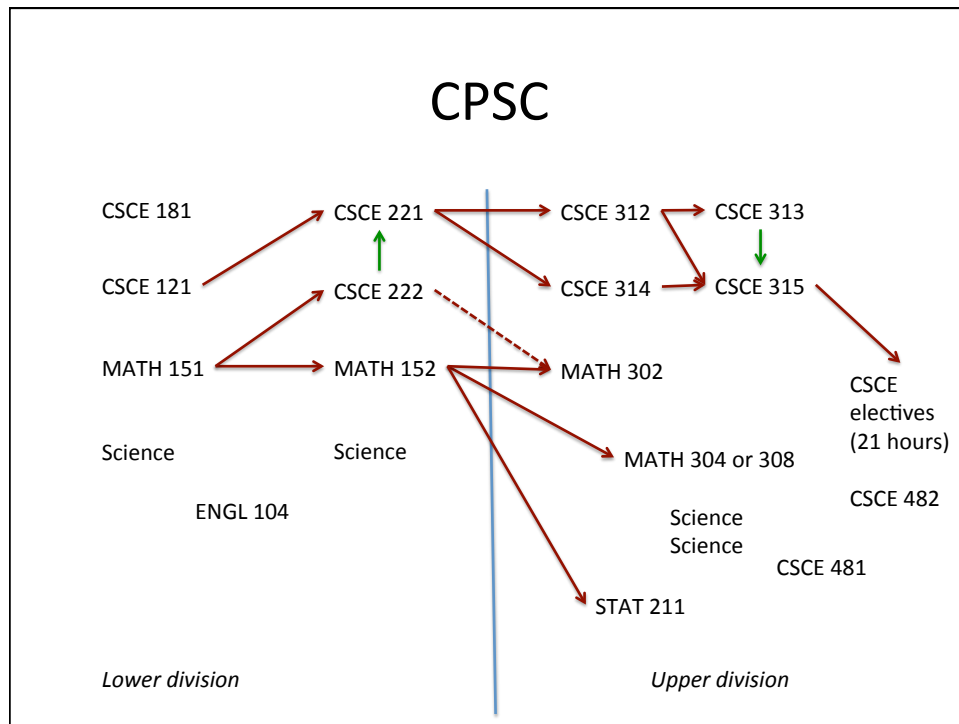
- PHYS 208 can be taken at community colleges as PHYS 2426 (PHYS 219)
- MATH 308 *cannot* be taken at community colleges
- ECEN 248 should be taken as early as possible—the standard schedule has it before ECEN 214
- The semester you take ECEN 248 defines the minimum number of semesters remaining to completion of the degree
- CSCE 222 is taken *before* or *with* CSCE 221, not after
- CSCE 483 *requires* CSCE 462
- CSCE 481 should be taken in the junior year

## CECN—upper division note

- ECEN upper division: 200 and above
  - Preregistration is allowed in ECEN upper division classes if course prerequisites are met BUT
  - Students not achieving upper division are DROPPED as the semester nears
- CSCE upper division: 300 and above
  - Students cannot register for upper division classes until admitted to upper division
  - Force requests at [csnet.cse.tamu.edu](http://csnet.cse.tamu.edu)
    - Leave room in schedule
    - Evaluation of requests over the semester break
- MATH does not appear to enforce upper division

## CECN electives

- Engineering elective
  - Classes from other engineering departments than CSCE and ECEN
  - See list
- Area electives
  - 5 electives: 4 in tracks, 1 from any track (or approved electives)
  - Tracks: Communications and Networks; VLSI; Software Systems; Signal/Image Processing and Graphics; Robotics/Embedded Systems; Information
  - 2 courses from 2 tracks
  - More at end of presentation about the 5<sup>th</sup> elective



## CPSC notes

- CSCE 222 is taken *before* or *with* CSCE 221
- CSCE upper division: 300 and above
  - Students cannot register for upper division classes until admitted to the upper division
  - Force requests at [csnet.cse.tamu.edu](http://csnet.cse.tamu.edu)
    - Leave room in schedule
    - Evaluation of requests over the semester break
- Take CSCE 481 in your junior year

## CPSC supporting area

- 12 hours *outside* of Computer Science but related to computing; in a *single* area
- Requires approval of the advising office
- Generally includes 300 and 400 level courses
- If available, a minor should be completed
- Some commonly selected options include
  - Business minor
  - Additional math courses (251, both 304 and 308, 2 400 level courses)
  - Fine arts minor with traditional art
  - Foreign languages (12 hours)

## CPSC technical electives

- 21 hours (7 courses)
- One course from each track: Algorithms and Theory (CSCE 411); Systems; Software; Information
  - CSCE 411 is an automatic selection for the Algorithms and Theory track
- Two more courses from one track
- Seventh course from any track (or other approved electives)
- More at end of presentation about other options for the 7<sup>th</sup> elective

## General notes: Degree evaluations

- Once you are upper division you can see degree evaluations in Howdy
- Also can do “what if” evaluations to see how your courses will be applied in upper division
- Some areas require manual filing of adjustments by the advising office, so will show as unfilled

## General notes: More options for the “extra” technical/area elective

- Co-ops; ENGR 385; 1 hour
  - Requires approval of company and co-op coordinator (Dr. Sarin)
  - See Career Counseling Center to register for opportunity notifications
  - Similar to internships but with additional course requirements
- EPICS; ENGR 270/470 (1 hour for most students)
  - Engineering projects in Student Service; <http://epics.tamu.edu/>
- Independent study
  - Independent research: CSCE 491
  - See format for application at [http://www.cse.tamu.edu/academics/undergraduate/ui\\_research.pdf](http://www.cse.tamu.edu/academics/undergraduate/ui_research.pdf)
  - Also be aware of announcements for REU and USRG

## Advising appointments

- Call 979-845-4087 for appointment with Dr. Furuta or Dr. Sarin
- File paperwork with Ms. Payton
- Office is 325 Teague