Question #1 What is the level of difficulty of the freshman year and of the freshman year engineering courses?

1. Freshman year – easy- all useless in engineering. Too broad.
2. Like high school. Not just engineering.
3. Engineering Design is too focused on Mech. and industrial.
4. GE 1111 is ECE oriented.
5. For both freshman and sophomore courses, programming experience is important!
6. GE 1111 is a cursory introduction to programming. (regular section)
7. GE 1111 is boring, because just teaches std out
8. GE 1111 – not much programming. Algorithms is a big step up.
9. Want combined lecture/lab for programming – very strong agreement on this for programming (referring to the CS course).
10. Optimization methods: most (6, maybe) thought there was too much review. One or two thought it was ok.
11. Should be a programming placement test, needed for students with AP credit or other strong H.S. preparation.
12. GE 1111: TA scheduling problem this semester. Don't see the TA. On 4th TA. 11:45 Tue, Thur
13. GE 1110: A lot of projects, disconnect from learning in class.
14. GE 1000: Want information on majors. Now it is almost completely independent activities.
15. GE 1110: "Hacky" project. Not much engineering, too much B.S.; many agree.
16. GE 1110: No EE or CE projects.
17. Freshman year oriented to Mech. and Civ.
18. Suggest Autodesk Inventor instead of AutoCAD.
19. Suggest more Solidworks.
20. Again suggesting other CAD for ECE.
21. Some suggest that Solidworks/AutoCAD are good for breadth.
22. Another thinks the breadth is great.
23. Some want choice, some want required breadth. Choice winning 2-1.
24. Suggest modeling something different, PCB?
25. PCB design.
26. Math Differential Eq. + Lin Algebra and Discrete Math – Bottom priority for professors.
27. Discrete Math – Prof. didn't know about ECE tutor.

Sophomore Year:

1. Large jump in difficulty
2. Big change in workload
3. Not too difficult – about right seemed to be the consensus of those speaking
4. Right amount of work, some bad sections
5. Would like an elective on how technology works

Other:

1. CE curriculum – not enough programming.
2. Optimization methods, has too much data structure review.
3.
4. The want electives on both coop schedules.
5. Want (several comments) a 2-3 year course plan.
6. Would like lots of videostreaming.
7. Would like to have review of circuits at the beginning of electronics. Could be on-line. Could use recitation.
8. Would like combined CE/CS major.
9. CS courses have a lot of prereqs. Other students gave advice on this and it seemed like it was not a huge problem except maybe for advising.
10. Noise in the summer was too difficult, too fast. Students experience seems very variable.
11. Coverage of algorithms seems to be variable, depending on instructor.
12. Summer courses – want experienced faculty.
13. 1st year advising, need more attention during basic orientation, especially for students with a lot of AP credit. Need more advice before entering first semester.
14. Would like too have more introduction to technology topics, like the tech briefs in the circuits book, or in more detail.
15. Descrete math diff eq and linear algebra would be better if taught by ECE profs.
16. Combined two topics and may be too short
17. Math : at bottom of priority, know what to teach but now how teach
18. GE1111: cycled through 4 TAs which don't have time to: 11:45 Tue, THur
19. Not enough programming (neel shah)
20. Interactive lab / lecture want (all but 5 for it, no against, 5 indicated)

Electives:

1. Want more software electives.
2. Want more hardware electives.
3. Too many signal processing electives.
4. Would like to see software engineering offered.
5. Would like to see acoustics course.
6. Would like to see operating systems and compilers.
7. Would be good to have informal tracks mapped out in some areas.
8. Power – most electives in the spring.
9. Power – 5000 courses fine. Not a problem to have graduate students.
10. Want plan for teach 2-3 year out
11. Good variety, but some electives only available in one schedule (A, or B).

MATH required courses
Descrete math diff eq and linear algebra better taughe by ECE profs.
Combined two topics and may be too short, or better taught by ECE profs to ensure that topics fits

Math : at bottom of priority, know what to teach but now how teach
GE1111: cycled through 4 TAs which don't have time to: 11:45 Tue, THur
Not enough programming (neel shah)
Interactive lab / lecture want (all but 5 for it, no against, 5 indicated)

General Design GE1000

- ECE not sufficiently presented

Suggestion: reduce breadth for people who are already more decided.

GE1000 chose your major
GE 1010 Engineering Design

- GE 1000 more project based, interdisciplinary projects 95%
- Concern:
    - Project team building team organizing
    - Instead of doing one larger diverse project, sequential projects on different subjects

Introducing the major and the major's problems.

Engineering Design:

- Add ECE projects, insufficiently presented
    - Maybe soldering (nice practical)

SW Engineering not
Want plan for teach 2-3 year out
Good variety, but some electives only available in one schedule (A, or B).