

**Advising of Transition Students
Majored in Civil Engineering (CE)**

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GENERAL

All Civil Engineering students will receive transition advising starting Spring 2011. The Department Assistant Chair can provide assistance to the tasks related to this advising.

The guidelines presented in this document shall be used for the transition advising. First, the adviser will work with each student to chart an academic progress plan all the way to graduation based entirely on the curriculum under the quarter system. This will identify the target graduation time for the student, provided that there will be no delays caused by the student. Delays can be caused by failing to register for the correct courses and by failing to succeed in courses. In some cases, a C or better grade is required in a course as a prerequisite for a subsequent course. Then, the department assistant chair (or the undergraduate chair) will work with the student and his/her academic advisor closely to develop a revised academic progress plan for the student (which has a mixture of courses under the two systems) to make sure that the student's graduation will not be delayed and the quality of the student's education will not be compromised during the transition process.

If additional measures that are not presented in this document are deemed necessary to meet the student's graduation time, the case may be discussed during the department curriculum committee meeting to come to a resolution.

[Note 1] Each student will need a total of 192 quarter hours or 120 semester hours for graduation.

[Note 2] ABET requires that the total hours of math and basic science be 32 semester hours (or 48 quarter hours) or $\frac{1}{4}$ of the total program hours, whichever is less.

[Note 3] Please do not schedule courses in the summer unless the student is willing to do so.

Required Courses in Quarter & Semester Calendar Systems (Civil Eng. Curriculum)

Course Title	Req'd Courses in Quarter System	Req'd Courses in Semester System
Freshman English	ENG 151 (taken in Year 1)	ENG 1510 (to be taken in Year 1)
Junior English	ENG 3XXJ (taken before graduation)	ENG 3XXXJ (to be taken in Year 3)
Gen. Ed. Tier II	4 Courses (taken before graduation)	4 Courses (taken before graduation)
Eng. Graphics	ETM 101, 222 (taken in Year 1-2)	ETM 2220 (to be taken in Year 1)
Chemistry	CHEM 151, 152 (taken in Year 1)	CHEM 1510 (to be taken in Year 1)
Physics	PHYS 251, 252 (taken in Year 1-2) PHYS 253 (taken before Year 4)	PHYS 2051, 2052 (to be taken in Year 1-2)
Computer Science	CS 210 (taken during Year 1-2)	None (incorporated into CE 2010)
Mathematics	MATH 263A-C (taken in Year 1-2) MATH 263D (taken in Year 2-3) MATH 340 (taken in Year 2-3)	MATH 2301 (to be taken in Year 1) MATH 2302 (to be taken in Year 1) MATH 3300 (to be taken in Year 2) MATH 3400 (to be taken in Year 2)
Chem. E Materials	CHE 231 (taken before graduation)	None (incorporated into CE 3800)
Electrical Eng.	EE 313 (to be taken in Year 4)	ET 3132 (to be taken in Year 3)
Eng. Geology	GEOL 283 (to be taken in Year 2)	GEOL 2830 (to be taken in Year 2)
Eng. Statistics	ISE 306 (to be taken in Year 3)	None (incorporated into CE 4000)
CE Comp. Methods	CE 201 (to be taken in Year 2)	CE 2010 (to be taken in Year 2)
Thermodynamics	ME 321 (to be taken in Year 3-4)	None (covered briefly in PHYS 2052)
CE Fundamentals	CE 200 (to be taken in Year 1)	CE 2000 (to be taken in Year 1)
CEM	CE 316 (to be taken in Year 3)	CE 2160 (to be taken in Year 1)
Societal Concerns	CE 400 (to be taken in Year 3-4)	CE 4000 (to be taken in Year 3)
Plain Surveying	CE 210 (to be taken in Year 1)	CE 2100 (to be taken in Year 2)
Route Eng.	CE 311 (to be taken in Year 2)	CE 3110 (to be taken in Year 2)
Transp. Eng.	CE 361 (to be taken in Year 2)	CE 3610 (to be taken in Year 3)
Statics	CE 220 (to be taken in Year 2)	ET 2200 (to be taken in Year 2)
Dynamics	ME 224 (to be taken in Year 2)	ET 2240 (to be taken in Year 2)
Strength of Mat'ls	CE 222 (to be taken in Year 2)	ET 2220 (to be taken in Year 2)
Strength Lab	CE 223 (to be taken in Year 2)	None (distributed to CE 3800, 4280)
CE Materials	CE 380 (to be taken in Year 3)	CE 3800 (to be taken in Year 3)
Struct. Theory	CE 330 (to be taken in Year 3)	CE 3300 (to be taken in Year 3)
Concrete Design	CE 432 (to be taken in Year 4)	CE 4320 (to be taken in Year 4)
Steel Design	CE 433 (to be taken in Year 4)	CE 4330 (to be taken in Year 4)
Geotech. Eng.	CE 370 (to be taken in Year 3)	CE 3700 (to be taken in Year 3)
Soil Eng. Lab	CE 371 (to be taken in Year 3)	CE 3710 (to be taken in Year 3)
Found. Eng.	CE 471 (to be taken in Year 4)	Elective (covered in CE 3700)
Fluid Mechanics	CE 340 (to be taken in Year 3)	CE 3400 (to be taken in Year 3)
Fluid Lab	CE 341 (to be taken in Year 3)	CE 3410 (to be taken in Year 3)
Appl. Hydraulics	CE 342 (to be taken in Year 4)	CE 3420 (CE 342 & 343 combined; to be taken in Year 3)
Hydrology	CE 343 (to be taken in Year 3)	
Water Treat.	CE 450 (to be taken in Year 4)	CE 4500 (CE 450 & 451 combined; to be taken in Year 4)
Wastewater Treat.	CE 451 (to be taken in Year 4)	
Exp. Methods	CE 428 (to be taken in Year 4)	CE 4280 (to be taken in Year 4)
Senior Design	CE 491A-C (to be taken in Year 4)	CE 491X (to be taken in Year 4)
CE Electives	5 Courses (to be taken in Year 3-4)	3 Courses (taken in Year 4; must contain 3 hrs of design credit)
Tech. Elective	None	1 Course (to be taken in Year 3-4)
TOTAL	55 Courses	42 Courses

Important Information

- If you take ETM 101 (but not ETM 222) before Fall 2012, you will need to complete the 2nd half of ETM 2220 under the semester system.
- If you take CHEM 151 (but not CHEM 152) before Fall 2012, you can still take CHEM 152 (as a special Q course) during AY 2012-13.
- If you cannot complete all the required physics courses before Fall 2012, you should be able to do so during AY 2012-13 by taking special Q courses offered by the Physics Dept.
- If you cannot complete the first three calculus courses before Fall 2012, you should be able to do so during AY 2012-13 by taking special Q courses offered by the Math Dept.
- If you take CS 210, CHE 231, or ISE 306 before Fall 2012, you will be credited for a Tech Elective under the semester system.
- If you are not graduating before Fall 2012, you may not need to take CE 223 during AY 2011-12. Discuss this issue with your advisor.
- If you are planning to take CE 380 before Fall 2012, you should also schedule CHE 231.
- If you are planning to take CE 400 before Fall 2012, you should also schedule ISE 306.
- If you take CE 343 (but not CE 342) before Fall 2012, you will need to complete the 1st half of CE 3420 under the semester system.
- If you take CE 370 (but not CE 471) before Fall 2012, you still need to complete either the 2nd half of CE 3700 or CE 4710 (as a CE Elective) under the semester system.
- You should schedule CE 370 (and CE 371) in Winter 2012, if you are planning to graduate in Fall 2013. Otherwise, you may wait until AY 2012-13 to take CE 3700. Discuss this issue with your advisor.
- If you take either CE 450 or CE 451 (but not both) before Fall 2012, you will need to complete CE 4500 under the semester system.
- You will be allowed to take EE 313 and CE 428 (or ET 3132 and CE 4280) concurrently. You will be allowed to register into CE 330 (or CE 3300) without CE 201 (or CE 2010). You will also be allowed to take CE 4500 before CE 3420.
- Statics (ET 2200), Strength of Materials (ET 2220), and Fluid Mechanics (CE 3400) will be offered every semester.
- You are encouraged to take Thermodynamics (ME 321 under the quarter system; ET 3210 under the semester system), because this FE exam subject will not be covered in depth anywhere else. FE Exam Review Course will be offered in Winter Quarter 2012 (as ET 400) and Spring Semester (as ET 4000).

Chart of Required Courses in Quarter System (Civil Eng. Curriculum)

Year	Quarter	CE Curriculum Courses in Quarter System: 55 Courses (190 to 200 QH)				
One	Fall (18)	MATH 263A (4)	CE 200 (1)	CHEM 151 (5)	ETM 101 (3)	ENG 15X (5)
	Winter (17)	MATH 263B (4)	---	CHEM 152 (5)	ETM 222 (3)	PHYS 251 (5)
	Spring (18)	MATH 263C (4)	CS 210 (5)	---	CE 210 (4)	PHYS 252 (5)
Two	Fall (17)	MATH 263D (4)	CE 220 (4)	GOLG 283 (4)	---	PHYS 253 (5)
	Winter (16)	MATH 340 (4)	CE 222 (4)	CE 223 (1)	CE 311 (3)	ME 224 (4)
	Spring (16-18)	CE 201 (3)	Tier II No. 1 (3-4)	CHE 231 (4)	CE 361 (3)	Tier II No. 2 (3-4)
Three	Fall (16-17)	CE 340 (4)	CE 341 (1)	CE 330 (5)	CE 316 (3)	Tier II No. 3 (3-4)
	Winter (16-17)	CE 370 (4)	CE 371 (1)	ISE 306 (4)	CE Elective No. 1 (3-4)	ENG 30XJ (4)
	Spring (14-16)	CE 343 (3)	CE 380 (3)	CE 400 (2)	CE Elective No. 2 (3-4)	Tier II No. 4 (3-4)
Four	Fall (15-16)	CE 471 (3)	CE 450 (3)	CE 342 (3)	CE Elective No. 3 (3-4)	EE 313 (3)
	Winter (17-18)	CE 428 (3)	CE 451 (3)	CE 432 (4)	CE Elective No. 4 (3-4)	ME 321 (4)
	Spring (10-12)	CE 433 (4)	---	CE Elective No. 5 (3-4)	CE Elective No. 6 (3-4)	---

[Note] One of CE Electives must be a senior capstone design course.

Chart of Required Courses in Semester System (Civil Eng. Curriculum)

Year	Semester	CE Curriculum Courses in Semester System: 42 Courses (126 SH)		
One	Fall (14)	ENG 1510 (3)	ETM 2220 (2)	MATH 2301 (4)
		CHEM 1510 (4)	CE 2000 (1)	---
	Spring (16)	Tier II No. 1 (2)	Tier II No. 2 (2)	MATH 2302 (4)
Two	Fall (19)	GEOL 2830 (4)	MATH 3300 (4)	PHYS 2052 (5)
		ET 2200 (3)	CE 2100 (3)	---
	Spring (15)	MATH 3400 (3)	ET 2240 (3)	ET 2220 (3)
		CE 2010 (3)	CE 3110 (3)	---
Three	Fall (16)	ET 3132 (2)	CE 3300 (3)	CE 3400 (3)
		CE 3610 (3)	CE 3700 (4)	CE 3710 (1)
	Spring (16)	Tier II No. 3 (2)	ENG 3XXXJ (3)	CE 3410 (1)
Four	Fall (16)	CE 3420 (3)	CE 3800 (4)	CE 4000 (3)
		CE 4280 (3)	CE 4320 (3)	CE 4500 (4)
	Spring (14)	CE Elective No. 1 (3)	CE Elective No. 2 (3)	---
		CE 4330 (3)	CE Elective No. 3 (3)	CE Elective No. 4 (3)
	Tier II No. 4 (2)	Tech Elective (3) *	---	

[Note] One of CE Electives must be a senior capstone design course (CE 491X).

* Tech Electives = ET 3210 (thermodynamics), ET 2300 (CHE materials), ISE 3200 (engineering statistics), or CE Elective.

Construction Management (CM) Program

Under the semester system, this certificate program requires a minimum of 21 semester hours of civil engineering and business courses as listed below:

Required CE Course: CE 2160 – Construction Engineering & Management (3 hrs.)

Elective CE Courses: CE 4160 – Construction Estimating & Equipment (3 hrs.)
(9 hrs. min.) CE 4170 – Construction Planning & Scheduling (3 hrs.)
CE 4190 – Construction Project Development, Contracts, and Law (3 hrs.)
CE 4540 – Sustainable Construction (3 hrs.)

[Note] One of the Elective CE courses listed above may be substituted with any of the courses listed below:

CE 4370 – Timber Design (3 hrs.)
CE 4380 – Pre-stressed Concrete (3 hrs.)
CE 4670 – Traffic Signal Systems (3 hrs.)
CE 4710 – Foundation Engineering (3 hrs.)
CE 4830 – Principles of Pavement Design (3 hrs.)

Required Business Courses (6 hours): ECON 1030 – Principles of Microeconomics (3 hrs.)
MGT 2000 – Introduction to Management (3 hrs.)

Required Tier III Courses (3 hrs.): Complete one of the senior capstone design courses (CE 491X; 3 hrs.)

Land Surveying (LS) Program

Under the semester system, this program requires a minimum of 19 semester hours of civil engineering and other outside courses as listed below:

Required CE Courses: CE 2100 – Plane Surveying (3 hrs.)
(11 hrs.) CE 3110 – Route Engineering (3 hrs.)
CE 4100 – Applied Boundary Surveying (2 hrs.)
CE 4911 – Senior Capstone Design: Land Development (3 hrs.)

Required Courses Outside CE (6 hrs.): GEOG 3500 – Land Use Planning (3 hrs.)
REAL 1030 – Real Estate Law (3 hrs.)

Additional Elective Course (2 hrs. min.): Take at least one from CE 4150 (Geodetic Surveying; 2 hrs.) and GEOG 4730 (Principles of GIS, 4 hrs.)

Students Who Completed Three Years of CE Curriculum in Quarter System

These students will most likely need to take the following courses:

Courses Remaining in Quarter System	Courses to Take in Semester System
EE 313 (basic EE I; 3 qh)	ET 3132 (basic elec. eng.; 2 sh)
ME 321 (thermodynamics; 4 qh)	ET 3210 (thermodynamics; 3 sh) or one of Tech Electives
CE 342 (applied hydraulics; 3 qh)	1 st Half of CE 3420 (hydraulics & hydrology; 3 sh)
CE 428 (exp. methods CE; 3 qh)	CE 4280 (exp. methods in CE; 3 sh)
CE 432 (concrete design; 4 qh)	CE 4320 (concrete design; 3 sh)
CE 433 (steel design; 4 qh)	CE 4330 (steel design 3 sh)
CE 450 (water treat; 3 qh)	CE 4500 (water & wastewater treatment; 4 sh)
CE 451 (wastewater treat; 3 qh)	
CE 471 (foundation; 3 qh)	2 nd Half of CE 3700 (geotechnical engineering; 4 sh)
CE 491* (senior design; 4 qh)	CE 491* (senior design; 3 sh)
4 CE Electives	2 CE Electives
TOTAL = 14 Quarter Courses	TOTAL = 11 Semester Courses

qh = quarter hours; and sh = semester hours.

Tech Electives = ET 3210 (thermodynamics), ET 2300 (CHE materials), ISE 3200 (engineering statistics), or CE Elective.

- The above example assumes that the student has taken two CE electives under the quarter system.
- If a student has already taken CE 343 (hydrology; 3 qh) but not CE 342 (appl. hydraulics; 3 qh), allow him/her to sit through only the 1st half of CE 4320.
- If a student has already taken CE 450 (water treat; 3 qh) but not CE 451 (waste water treat; 3 qh), require him/her to complete CE 4500.
- If a student has already taken CE 370 (geotech eng; 4 qh) but not CE 471 (foundation eng; 3 qh), allow him/her to sit through only the 2nd half of CE 3700 (geotech eng; 4 sh).
- If a student has already taken CE 223, allow him/her to skip a few basic experiments in both CE 3800 and CE 4280.
- Allow some students to take CE 4280 and ET 3132 (basic elect. eng.; 2 sh) concurrently. In some cases, allow some to take CE 4280 without ET 3132.
- The student is not required to take a tech elective course, if s/he has taken at least one of CHE 231/CS 210/ISE 306. But, the student is encouraged to fulfill this tech elective requirement during the last semester.

Chart for Students Who Completed Three Years of CE Curriculum in Quarter System

Year	Quarter	Courses in Quarter System – 132 to 138 qh				
One	Fall (18)	MATH 263A (4)	CE 200 (1)	CHEM 151 (5)	ETM 101 (3)	ENG 15X (5)
	Winter (17)	MATH 263B (4)	---	CHEM 152 (5)	ETM 222 (3)	PHYS 251 (5)
	Spring (18)	MATH 263C (4)	CS 210 (5)	---	CE 210 (4)	PHYS 252 (5)
Two	Fall (17)	MATH 263D (4)	CE 220 (4)	GEOL 283 (4)	---	PHYS 253 (5)
	Winter (16)	MATH 340 (4)	CE 222 (4)	CE 223 (1)	CE 311 (3)	ME 224 (4)
	Spring (16-18)	CE 201 (3)	Tier II No. 1 (3-4)	CHE 231 (4)	CE 361 (3)	Tier II No. 2 (3-4)
Three	Fall (16-17)	CE 340 (4)	CE 341 (1)	CE 330 (5)	CE 316 (3)	Tier II No. 3 (3-4)
	Winter (16-17)	CE 370 (4)	CE 371 (1)	ISE 306 (4)	CE Elective No. 1 (3-4)	ENG 30XJ (4)
	Spring (14-16)	CE 343 (3)	CE 380 (3)	CE 400 (2)	CE Elective No. 2 (3-4)	Tier II No. 4 (3-4)
Year	Semester	Courses in Semester System – 31 sh				
Four	Fall (17)	CE 4280 (3)		CE 4320 (3)		CE 4500 (4)
		2 nd Half of CE 3700 (4)		CE Elective No. 3 (3)		---
	Spring (14)	CE 4330 (3)		1 st Half of CE 3420 (3)		ET 3132 (2)
		CE Elective No. 4 (3)		CE Elective No. 5 (3)		---
Total = 179 to 185 qh = 119 to 123 sh						

[Note] One of CE Electives must be a senior capstone design course. The student is not required to take one technical elective course, since already CS 210, CHE 231, and ISE 306 have been taken.

Students Who Completed Two Years of CE Curriculum in Quarter System

These students will most likely need to take the following courses:

Courses Remaining in Quarter System	Courses to Take in Semester System
EE 313 (basic EE I; 3 qh)	ET 3132 (basic EE; 2 sh)
ENG 30*J (Jr. English; 4 qh)	ENG 3***J (Jr. English; 3 qh)
ISE 306 (eng statistics; 4 qh)	(Addressed in CE 4000 below)
ME 321 (thermo; 4 qh)	ET 3210 (thermo; 3 sh) or one of Tech Electives #
CE 316 (CEM; 3 qh)	CE 2160 (CEM; 3 sh)
CE 330 (structural theory I; 5 qh)	CE 3300 (structural theory I; 3 sh)
CE 340 (fluid mechanics; 4 qh)	CE 3400 (fluid mechanics; 3 sh)
CE 341 (fluid mechanics lab; 1 qh)	CE 3410 (hydraulics lab; 1 sh)
CE 342 (appl. hydraulics; 3 qh)	CE 3420 (hydraulics & hydrology; 3 sh)
CE 343 (hydrology; 3 qh)	
CE 370 (geotechnical eng; 4 qh)	CE 3700 (geotechnical eng; 4 sh)
CE 371 (soil eng lab; 1 qh)	CE 3710 (soil eng lab; 1 sh)
CE 380 (CE materials; 3 qh)	CE 3800 (CE materials; 4 sh)
CE 400 (society concerns; 2 qh)	CE 4000 (society concerns; 3 sh)
CE 428 (exp. methods CE; 3 qh)	CE 4280 (exp. methods in CE; 3 sh)
CE 432 (concrete; 4 qh)	CE 4320 (concrete design; 3 sh)
CE 433 (steel; 4 qh)	CE 4330 (steel design 3 sh)
CE 450 (water treat; 3 qh)	CE 4500 (water & wastewater treatment; 4 sh)
CE 451 (wastewater treat; 3 qh)	
CE 471 (foundation; 3 qh)	(Addressed in CE 3700 above)
CE 491* (senior design; 4 qh)	CE 491* (senior design; 3 sh)
5 CE Electives	3 CE Electives
TOTAL = 26 Quarter Courses	TOTAL = 20 Semester Courses

qh = quarter hours; and sh = semester hours.

Tech Electives = ET 3210 (thermodynamics), ET 2300 (CHE materials), ISE 3200 (engineering statistics), or CE Elective.

- If a student has already taken ISE 306, allow him/her to skip the first 5 weeks of CE 4000.
- ET 3210 (thermodynamics) may be substituted with any of the courses listed under Tech Elective.
- If a student has already taken CHE 231, allow him/her to miss the first 3-4 weeks of CE 3800.
- If a student has already taken CE 223, allow him/her to skip a few basic experiments in both CE 3800 and CE 4280.
- The student is not required to take a tech elective course, if s/he has taken at least one of CHE 231/CS 210/ISE 306/ME 321. But, the student is encouraged to fulfill this tech elective requirement during the last semester.

- If a student has already taken PHYS 251, allow him/her to take special transition physics courses for students who have completed just 1/3 of all required physics topics.
- If a student has already taken PHYS 251 & 252, allow him/her to a special transition physics course for students who have completed 2/3 of all required physics topics.

Chart for Students Who Completed Two Years of CE Curriculum in Quarter System

Year	Quarter	Courses in Quarter System – 102 to 104 qh				
One	Fall (18)	MATH 263A (4)	CE 200 (1)	CHEM 151 (5)	ETM 101 (3)	ENG 15X (5)
	Winter (17)	MATH 263B (4)	---	CHEM 152 (5)	ETM 222 (3)	PHYS 251 (5)
	Spring (18)	MATH 263C (4)	CS 210 (5)	---	CE 210 (4)	PHYS 252 (5)
Two	Fall (17)	MATH 263D (4)	CE 220 (4)	GEOL 283 (4)	---	PHYS 253 (5)
	Winter (16)	MATH 340 (4)	CE 222 (4)	CE 223 (1)	CE 311 (3)	ME 224 (4)
	Spring (16-18)	CE 201 (3)	Tier II No. 1 (3-4)	Tier II No. 2 (3-4)	CE 361 (3)	Tier II No. 3 (3-4)
Year	Semester	Courses in Semester System – 59 sh				
Three	Fall (15)	ET 3132 (2)	CE 3300 (3)	CE 3400 (3)		
		CE 3700 (4)	CE 3710 (1)	Tier II No. 4 (2)		
	Spring (16)	CE 2160 (3)	CE 3410 (1)	CE 3420 (3)		
		CE 3800 (4)	CE 4000 (3)	CE Elective No. 1 (3)		
Four	Fall (16)	CE 4280 (3)	CE 4320 (3)	CE 4500 (4)		
		CE Elective No. 2 (3)	ENG 30XJ (3)	---		
	Spring (12)	CE 4330 (3)	CE Elective No. 3 (3)	CE Elective No. 4 (3)		
Total = 191 to 193 qh = 127 to 128 sh						

[Notes] The student is not required to take one technical elective course, since already CS 210, CHE 231, and ISE 306 have been taken. One of CE Electives must be a senior capstone design course.

Students Who Completed One Year of CE Curriculum in Quarter System

These students most like have already taken the following courses

Courses Taken in Quarter System	Equivalent Courses in Semester System
CE 200 (CE fundam; 1 qh)	Converted to CE 2000 (CE fundam; 1 sh)
CE 210 (plane survey; 4 qh)	Converted to CE 2100 (plane survey; 3 sh)
CHEM 151 (chemistry I; 5 qh)	Combined into CHEM 1510 (chemistry I; 4 sh)
CHEM 152 (chemistry II; 5 qh)	
CS 210 (comp. programming; 5 qh)	Not required in CE Semester Curriculum
ENG 151 (freshman English; 5 qh)	Converted to ENG 1510 (freshman English; 3 sh)
IT 101 (eng. drawing fundm; 3 qh)	Combined into IT 2220 (CE graphics; 2 sh)
IT 202 (CE graphics; 3 qh)	
MATH 263A (calculus I; 4 qh)	Four calculus courses (MATH 253A-D; ech 4 qh) converted to three calculus courses (MATH 2301, 2302, and 3300; each 4 sh)
MATH 263B (calculus II; 4 qh)	
MATH 263C (calculus III; 4 qh)	
PHYS 251 (physics I; 5 qh)	Three physics courses (PHYS 251-253; each 5 qh) converted to two physics courses (PHYS 2051 & 2052; each 5 sh)
PHYS 252 (physics II; 5 qh)	

qh = quarter hours; and sh = semester hours.

- These students are advised not to take CS 210.
- If a student has already taken ETM 101 but not ETM 202, allow him/her to miss the first half of ETM 2220.
- If a student has already taken CHEM 151 but not CHEM 152, allow him/her to sit through only 2nd half of CHEM 1510.
- If a student has already taken MATH 263A, allow him/her to sit through the last 5 weeks of MATH 2301 and then move onto MATH 2302 and 3300.
- If a student has already taken MATH 263A & 263B, allow him/her to sit through the last 10 weeks of MATH 2302 and 3300.
- If a student has already taken MATH 263A through 263C, allow him/her to sit through the last 10 weeks of MATH 3300.
- If a student has already taken PHYS 251, allow him/her to take special transition physics courses for students who have completed just 1/3 of all required physics topics.
- If a student has already taken PHYS 251 & 252, allow him/her to a special transition physics course for students who have completed 2/3 of all required physics topics.

Chart for Students Who Completed One Year of CE Curriculum in Quarter System

Year	Quarter	Courses in Quarter System – 51 qh				
One	Fall (18)	MATH 263A (4)	CE 200 (1)	CHEM 151 (5)	ETM 101 (3)	ENG 15X (5)
	Winter (17)	MATH 263B (4)	---	CHEM 152 (5)	ETM 222 (3)	PHYS 251 (5)
	Spring (16)	MATH 263C (4)	---	Tier II No. 1 (2)	CE 210 (4)	PHYS 252 (5)
Year	Semester	Courses in Semester System – 94 sh				
Two	Fall (16)	Transition PHYS (5)		ET 2200 (3)	Tier II No. 2 (2)	
		Tier II No. 3 (2)		GEOL 2830 (4)	---	
	Spring (15)	ET 2220 (3)		ET 2240 (3)	CE 2160 (3)	
CE 2010 (3)		CE 3110 (3)	---			
Three	Fall (16)	ET 3132 (2)		CE 3300 (3)	CE 3400 (3)	
		CE 3610 (3)		CE 3700 (4)	CE 3710 (1)	
	Spring (16)	ENG 3XXXJ (3)		CE 3410 (1)	CE 3420 (3)	
CE 3800 (4)		CE 4000 (3)	MATH 3400 (3)			
Four	Fall (17)	Tier II No. 3 (2)		CE 4280 (3)	CE 4320 (3)	
		CE 4500 (4)		CE Elective No. 1 (3)	Tier II No. 4 (2)	
	Spring (15)	CE 4330 (3)		CE Elective No. 2 (3)	CE Elective No. 3 (3)	
CE Elective No. 4 (3)		Tech Elective (3)	---			
Total = 193 qh = 129 sh						

[Note] One of CE Electives must be a senior capstone design course.

Additional Guidelines on Transitional Advising

The table below presents additional guidelines on transitional advising.

Course(s)	Guidelines
CE 2010	If a student is scheduled to take this semester course, s/he will not need to have CS 210 before Fall 2012.
CE 223	Advise a student not to take this class during AY 2011-12, unless s/he is scheduled to graduate during that academic year.
CE 343	If a student is scheduled to graduate in AY 2012-13, s/he may wait till the final year to take the semester courses CE 3420, instead of picking up CE 343 during AY 2011-12.
CE 370, 371	If a student is scheduled to graduate in AY 2012-13, s/he may wait till the final year to take the semester courses CE 3700 and CE 3710, instead of picking up CE 370 and CE 371 during AY 2011-12. The decision will be entirely up to the student and advisor. If CE 370 and CE 371 are taken during AY 2011-12, encourage the student to pick up CE 4710 as one of the CE Electives during AY 2012-13.
CE 3800	If a student is scheduled to take this semester course, s/he will not need to have CHE 231 before Fall 2012.
CE 4000	If a student is scheduled to take this semester course, s/he will not need to have ISE 306 before Fall 2012.
CE 450, 451	If a student cannot complete both of these classes before Fall 2012, advise him/her to wait and take CE 4500.
ETM 101, 222	Encourage each student to complete both of these courses before Fall 2012.
ME 321 or ET 3210	Encourage each student to take thermodynamics during the senior year.
CHEM 151, 152	Encourage each student to complete the chemistry series before Fall 2012.
PHYS 251-253	Encourage each student to complete the physics series before Fall 2012.
MATH 263A-C	Encourage each student to complete at least the first three calculus courses before Fall 2012.

Chart of Required Courses in Quarter System (Shade the courses taken by the student.)

Year	Quarter	CE Curriculum Courses in Quarter System – 190 to 200 QH				
One	Fall (18)	MATH 263A (4)	CE 200 (1)	CHEM 151 (5)	ETM 101 (3)	ENG 15X (5)
	Winter (17)	MATH 263B (4)	---	CHEM 152 (5)	ETM 222 (3)	PHYS 251 (5)
	Spring (18)	MATH 263C (4)	CS 210 (5)	---	CE 210 (4)	PHYS 252 (5)
Two	Fall (17)	MATH 263D (4)	CE 220 (4)	GEOL 283 (4)	---	PHYS 253 (5)
	Winter (16)	MATH 340 (4)	CE 222 (4)	CE 223 (1)	CE 311 (3)	ME 224 (4)
	Spring (16-18)	CE 201 (3)	Tier II No. 1 (3-4)	CHE 231 (4)	CE 361 (3)	Tier II No. 2 (3-4)
Three	Fall (16-17)	CE 340 (4)	CE 341 (1)	CE 330 (5)	CE 316 (3)	Tier II No. 3 (3-4)
	Winter (16-17)	CE 370 (4)	CE 371 (1)	ISE 306 (4)	CE Elective No. 1 (3-4)	ENG 30XJ (4)
	Spring (14-16)	CE 343 (3)	CE 380 (3)	CE 400 (2)	CE Elective No. 2 (3-4)	Tier II No. 4 (3-4)
Four	Fall (15-16)	CE 471 (3)	CE 450 (3)	CE 342 (3)	CE Elective No. 3 (3-4)	EE 313 (3)
	Winter (17-18)	CE 428 (3)	CE 451 (3)	CE 432 (4)	CE Elective No. 4 (3-4)	ME 321 (4)
	Spring (10-12)	CE 433 (4)	---	CE Elective No. 5 (3-4)	CE Elective No. 6 (3-4)	---

Academic Plan for Remaining Courses (Quarter System)

Academic Year	Quarter	Remaining Courses to Take under CE Curriculum (Quarter System)				
2011-12	Fall	CE 340 (4)	CE 341 (1)	CE 330 (5)	Tier II No. 1 (3)	Tier II No. 2 (3)
	Winter	CE 370 (4)	CE 371 (1)	ISE 306 (4)	ENG 30XJ (4)	CE Elective 1 (3)
	Spring	CE 343 (3)	CE 380 (4)	CE 400 (2)	CE Elective 2 (3)	Tier II No. 3 (3)
	(Summer)					
2012-13	Fall	CE 471 (3)	CE 450 (3)	CE 342 (3)	CE Elective 3 (3)	EE 313 (3)
	Winter	CE 428 (3)	CE 451 (3)	CE 432 (4)	CE Elective 4 (3)	ME 321 (4)
	Spring	CE 433 (4)	---	CE Elective 5 (3)	CE Elective 6 (3)	Tier II No. 4 (3)
	(Summer)					

[Note] This student is expected to graduate in SPRING of AY 2012-13. Advise him actually not to take CE 343, CE 370, and CE 371 during AY 2011-12. Thus, his academic plan for AY 2011-12 can be as shown below.

Actual Academic Plan for AY 2011-12 (Quarter System)

Academic Year	Quarter	Remaining Courses to Take under CE Curriculum (Quarter System)				
2011-12	Fall	CE 340 (4)	CE 341 (1)	CE 330 (5)	EE 313 (3)	Tier II No. 1
	Winter	CE 428 (3)	CE 432 (4)	Tier II 2	ENG 30XJ (4)	CE Elect 1
	Spring	Tier II 3	CE 380 (3)	CE 400 (2)	CE 433 (4)	ISE 306 (4)
	(Summer)					

Sample FORM B Student's Name: John Doe PID: P001111111

This student is expected to graduate in SPRING of AY 2012-13.

Chart of Required Courses in Semester System (Shade the courses taken before Fall 2012.)

Year	Semester	CE Curriculum Courses in Semester System – 120-126 SH		
One	Fall (14)	ENG 1510 (3)	ETM 2220 (2)	MATH 2301 (4)
		CHEM 1510 (4)	CE 2000 (1)	
	Spring (16)	Tier II No. 1 (2)	Tier II No. 2 (2)	MATH 2302 (4)
		PHYS 2051 (5)	CE 2160 (3)	
Two	Fall (19)	GEOL 2830 (4)	MATH 3300 (4)	PHYS 2052 (5)
		ET 2200 (3)	CE 2100 (3)	
	Spring (15)	MATH 3400 (3)	ET 2220 (3)	ET 2240 (3)
		CE 2010 (3)	CE 3110 (3)	
Three	Fall (16)	ET 3132 (2)	CE 3300 (3)	CE 3400 (3)
		CE 3610 (3)	CE 3700 (4)	CE 3710 (1)
	Spring (15)	Tier II No. 3 (2)	ENG 3XXXJ (3)	CE 3410 (1)
		CE 3420 (3)	CE 3800 (4)	CE 4000 (3)
Four	Fall (15)	Tier II No. 4 (2)	CE 4280 (3)	CE 4320 (3)
		CE 4500 (4)	CE Elective No. 1 (3)	
	Spring (15)	CE 4330 (3)	CE Elective No. 2 (3)	CE Elective No. 3 (3)
		CE Elective No. 4 (3)	Tech Elective (3) *	

[Note] One of CE Electives must be a senior capstone design course.

* Tech Electives = ET 3210 (thermodynamics), ET 2300 (CHE materials), ISE 3200 (engineering statistics), or CE Elective.

Academic Plan for Remaining Courses (Semester System)

Academic Year	Semester	Remaining Courses to Take under CE Curriculum (Semester System)				
2012-13	Fall	CE 3700 (4)	CE 3710 (1)	CE 3420 (3)	CE Elect 2	CE Elect 3
	Spring	CE 4500 (4)	CE Elect 4	ET 3210 (3)	Tier II 4	---
	(Summer)					

[Note] This student will finish in SPRING of AY 2012-13. He will need to take CE 3420 in the fall semester and CE 4500 in the spring semester.

Total Hours = 147 QH + 24 SH = 98 SH + 24 SH = 122 SH Okay (> 120 SH)

FORM A - Student's Name: _____ PID: _____

Chart of Required Courses in Quarter System (Circle or shade the courses already taken)

Year	Quarter	CE Curriculum Courses in Quarter System – 190 to 200 qh				
One	Fall (18)	MATH 263A (4)	CE 200 (1)	CHEM 151 (5)	ETM 101 (3)	ENG 15X (5)
	Winter (17)	MATH 263B (4)	---	CHEM 152 (5)	ETM 222 (3)	PHYS 251 (5)
	Spring (18)	MATH 263C (4)	CS 210 (5)	---	CE 210 (4)	PHYS 252 (5)
Two	Fall (17)	MATH 263D (4)	CE 220 (4)	GEOL 283 (4)	---	PHYS 253 (5)
	Winter (16)	MATH 340 (4)	CE 222 (4)	CE 223 (1)	CE 311 (3)	ME 224 (4)
	Spring (16-18)	CE 201 (3)	Tier II No. 1 (3-4)	CHE 231 (4)	CE 361 (3)	Tier II No. 2 (3-4)
Three	Fall (16-17)	CE 340 (4)	CE 341 (1)	CE 330 (5)	CE 316 (3)	Tier II No. 3 (3-4)
	Winter (16-17)	CE 370 (4)	CE 371 (1)	ISE 306 (4)	CE Elective No. 1 (3-4)	ENG 30XJ (4)
	Spring (14-16)	CE 343 (3)	CE 380 (3)	CE 400 (2)	CE Elective No. 2 (3-4)	Tier II No. 4 (3-4)
Four	Fall (15-16)	CE 471 (3)	CE 450 (3)	CE 342 (3)	CE Elective No. 3 (3-4)	EE 313 (3)
	Winter (17-18)	CE 428 (3)	CE 451 (3)	CE 432 (4)	CE Elective No. 4 (3-4)	ME 321 (4)
	Spring (10-12)	CE 433 (4)	---	CE Elective No. 5 (3-4)	CE Elective No. 6 (3-4)	---

[Note] One of CE Electives must be a senior capstone design course.

Academic Plan for Remaining Courses (Quarter System)

Academic Year	Quarter	Remaining Courses to Take under CE Curriculum (Quarter System)				
	Fall					
	Winter					
	Spring					
	(Summer)					
	Fall					
	Winter					
	Spring					
	(Summer)					
	Fall					
	Winter					
	Spring					
	(Summer)					
	Fall					
	Winter					
	Spring					

[Note] This student is expected to graduate in _____ of AY _____

FORM B - Student's Name: _____ **PID:** _____

This student is expected to graduate in _____ of AY _____

Chart of Required Courses in Semester System (Circle the courses already taken before Fall 2012)

Year	Semester	CE Curriculum Courses in Semester System – 126 sh		
One	Fall (14)	ENG 1510 (3) CHEM 1510 (4)	ETM 2220 (2) CE 2000 (1)	MATH 2301 (4)
	Spring (16)	Tier II No. 1 (2) PHYS 2051 (5)	Tier II No. 2 (2) CE 2160 (3)	MATH 2302 (4)
Two	Fall (19)	GEOL 2830 (4) ET 2200 (3)	MATH 3300 (4) CE 2100 (3)	PHYS 2052 (5)
	Spring (15)	MATH 3400 (3) CE 2010 (3)	ET 2240 (3) CE 3110 (3)	ET 2220 (3)
Three	Fall (16)	ET 3132 (2) CE 3610 (3)	CE 3300 (3) CE 3700 (4)	CE 3400 (3) CE 3710 (1)
	Spring (16)	Tier II No. 3 (2) CE 3420 (3)	ENG 3XXXJ (3) CE 3800 (4)	CE 3410 (1) CE 4000 (3)
Four	Fall (16)	CE 4280 (3) CE Elective No. 1 (3)	CE 4320 (3) CE Elective No. 2 (3)	CE 4500 (4)
	Spring (14)	CE 4330 (3) Tier II No. 4 (2)	CE Elective No. 3 (3) Tech Elective (3) *	CE Elective No. 4 (3)

[Note] One of CE Electives must be a senior capstone design course.

* Tech Electives = ET 3210 (thermodynamics), ET 2300 (CHE materials), ISE 3200 (engineering statistics), or CE Elective.

Academic Plan for Remaining Courses (Semester System)

Academic Year	Semester	Remaining Courses to Take under CE Curriculum (Semester System)				
	Fall					
	Spring					
	(Summer)					
	Fall					
	Spring					
	(Summer)					
	Fall					
	Spring					
	(Summer)					
	Fall					
	Spring					

Note: _____

Approved by: _____ (student); _____ (advisor)

_____ (dept.) on _____, 2011