Civil & Environmental Engineering Dual Major Flow Chart

Pre-engineering | CEE Major

Term 1	Term 2	Summer	Term 3	Term 4	Term 5	Term 6	Term 7	Term 8	Term 9
Total hours = 15	Total hours = 15	Total hours = 9	Total hours = 15	Total hours = 15	Total hours = 17	Total hours = 15/14	Total hours = 15	Total hours = 14	Total hours = 15

Term 1
- (3) Social Science I ("History". "W") — Grade | Sem
- (3) ENC1101 or higher English — Grade | Sem
- (4) MAC 2311 Calculus I — Req. to Declare Major — Grade | Sem
- (4) CHM 1045 General Chem I & Lab — Req. to Declare Major — Grade | Sem
- (1) EGN 1004L First Year Eng. Lab — Req. to Declare Major — Grade | Sem

Or acceptable substitutes for transfer students

Term 2
- (3) Humanities I ("W", "Y") — Grade | Sem
- (5) PHY2048C Physics I — Req. to Declare Major — Grade | Sem
- (3) ENC1102 or other Second English — Grade | Sem
- (4) MAC 2312 Calculus II — Req. to Declare Major — Grade | Sem

Summer
- (3) Social Science II (Non-History) — Grade | Sem
- (3) Humanities II ("W", "*Literature") — Grade | Sem
- (3) Humanities or Social Science ("W", "Y") — Grade | Sem
- (3) XXXX Science Elective* — Grade | Sem

Term 3
- (5) PHY2049C Physics II — Grade | Sem
- (3) EGN 2212** Eng. Statistics & Computation — Grade | Sem
- (2) EGN 2123 Engineering Graphics — Grade | Sem
- (5) MAC 2313 Calculus III — Grade | Sem

Term 4
- (3) History / Social Science Elective — Grade | Sem
- (4) EGM 3512 Engineering Mechanics — Grade | Sem
- (2) EGN3613 Eng. Economy — Grade | Sem
- (1) CGN 2327L Civil Eng. Graphics Lab — Grade | Sem
- (4) CEG 2202 Site Invest.& Lab — Grade | Sem
- (3) MAP 3305 Eng. Math — Grade | Sem

Term 5
- (4) EGN 3331 Strength of Materials & Lab — Grade | Sem
- (2)EML 3100 Thermo Dynamics — Grade | Sem
- OR
- (3) EEL 3003 Intro to Electrical Eng. — Grade | Sem
- (4) CWR 3201 Hydraulics & Lab — Grade | Sem
- Co-requisite
- (4) EES 3040 Intro.to Env. Eng. Sci & Lab — Grade | Sem

Term 6
- (4) CCE 3101 Const. Materials & Lab — Grade | Sem
- (3) TTE 3004 Trans. Eng. — Grade | Sem
- (4) CEG 3011 Soil Mech. & Lab — Grade | Sem
- (4) CES 3100 Structural Analysis — Grade | Sem

Co-requisite

Term 7
- (3) 4XXX Design Elective — Grade | Sem
- (3) CEG 4801 Geotechnical Design — Grade | Sem
- (3) TTE 4XXX Transportation Course — Grade | Sem
- (3) CES 4702 Concrete Design — Grade | Sem
- (3) CES 4605 Steel Design — Grade | Sem

Term 8
- (3) CCE 4004 Construction Eng. — Grade | Sem
- (3)ENV 4001 Env. Eng/CWR 4202 Hydr. Eng 1/CWR 4101 Eng. Hydro — Grade | Sem
- (3)ENV 4500 Unit P&O/ ENV 4561 Design WQMF — Grade | Sem
- (2) CGN 4800 Pre-Sr. Design & Professional Issues — Grade | Sem
- (3) 4XXX Science Elective* — Grade | Sem

Term 9
- (3) ENV 40031 Applied Env. Eng. Micro Biiology — Grade | Sem
- (3)ENV 4001 Env. Eng/CWR 4202 Hydr. Eng 1 — Grade | Sem
- (3) 4XXX Design Elective — Grade | Sem
- (3) CGN 4802 Senior Design Project — Grade | Sem

PHY 3048C (FAMU)

Prerequisite course

Co-requisite course

Design Courses	(30 hr)
Course with Lab	(27 hr)
Engineering Courses	(26 hr)
Math & Science Courses	(36 hr)
Lib. Studies	(24 hr)
Total = 143 hr	

Declare CEE Major

** *Computer competency requirement met with this course*

** Students declaring the major prior to Fall 2008 may take an additional Technical/Design elective in substitution. See list of CEE Science Elective Courses for details*