

CET Curriuculum & Scheduling

Degree Requirements

- 128 total credit hours are required for BSCET degree
 - 12 hours Min. Math courses
 - 11 hours Min. Natural Science w/labs
 - 12 hours of Professional Development
 - 24 hours Min. University Core Curriculum
 - Satisfy all technical core slots with remainder of hours.
- 2006 flowchart is your requirement to graduate.
 - If the curriculum changes, you still follow the old 2006 program.
 - Leaving for a year you then follow any new requirements made since you left.

Math Progression & Prerequisites

- Math placement dictates how fast you get into the technical coursework.
- PHYS-2010 and CET-1210 (Surveying) require MATH-1330 pre- or co-requisitely.
- Other courses then depend on passing the previous courses.
- Example: MATH-1330 > PHYS-2010 > CET-1200 > CET-2250 > CET-4250

University Core Curriculum

- ***Pink Sheet Electives*** (15 – 18 hours)
 - 2 Humanities Classes
 - 2 Social Science Classes
 - 2 Multi-Cultural Classes (1 US & 1 non-Western)
- Must be in different departments
- Use of “double-dip” allows only five courses.
- ***Communications Requirements*** (9 hours)
 - ENGL-1110 or 1100 (Depends on Placement)
 - ENGL-2950
 - Choice of COMM-2600, 3610, 3810, 3820, 3840, 3880 or 3890.

Professional Development Electives

- 12 hours of “non-core” classes
 - BUAD-2040, 2050, 2080, 3010, 3020, 3030, 3040, 3470, BLAW-3570. (Or Bus. Minor Eq.)
 - One of either ECON-1150 or 1200
 - ARCT-1200 Architectural CAD, ENGT- 2500 Technical Project Management , MET-4600 Engineering Safety

Natural Science Elective (In addition to Physics)

- CHEM-1230 with 1280 Lab (Requires Chem Placement test and may require CHEM -1090 first)
- EEES-3250 Engineering Geology



General Rules for Registration

- **Single semester classes:**

Only in Fall

CET-1200*, CET-2110
CET-3210, CET-4250,
EEES-3250

Only in Spring

CET-1210*, CET-2220
CET-3120, CET-3220
ARCT-2160, CET-4350
ARCT-2250

- = Also offered summers
- **When you get off track, courses may conflict!!!**
- **Follow the flowchart & prerequisites**
- **Register as early as possible (both for Fall & Spring) using priority registration dates.**
- **Track your progression with CET Spreadsheet**
- **Before you see me, try scheduling on your own.**
- **You may require waivers in order to register due to system prerequisites. (Physics, Engr. Geology or if you transferred in credits)**

Assignment due next class!!!!

Compile an academic folder which contains:

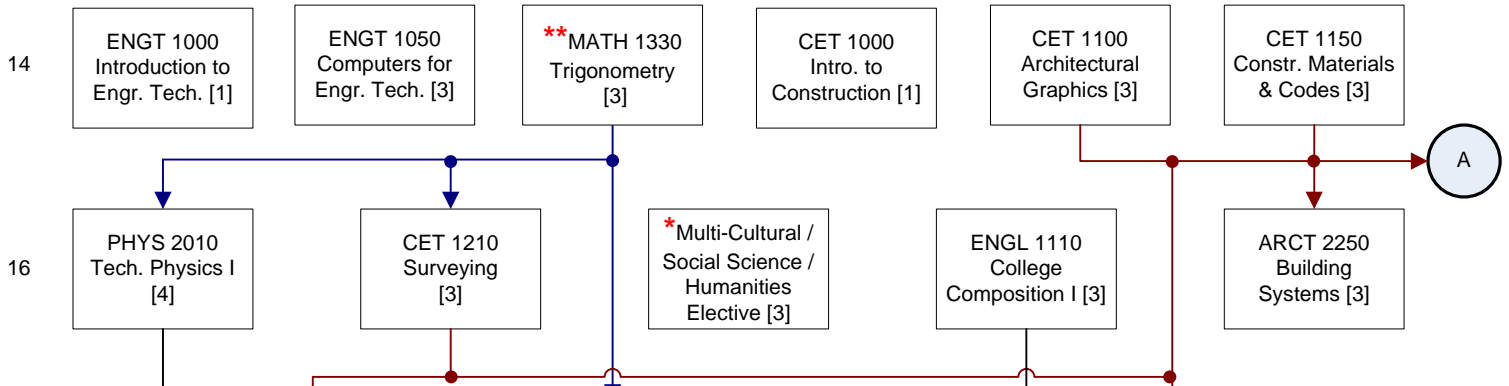
- **CET Spreadsheet downloaded from class website.**
 - Complete current classes with R in grade cell.
 - Determine classes for next spring.
 - Email me for yours if I've done one for you for transfer reasons.
- **Current CET Flowchart**
- **Copy of Pink Sheet**
- **Label with your name on folder**

CET vs. Civil Curriculum

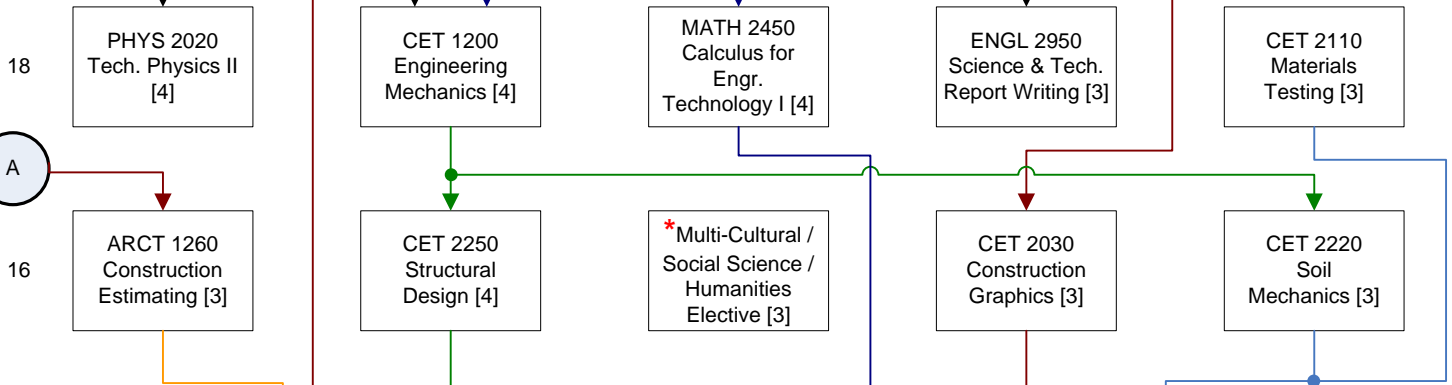
- **Engineering:** The profession in which a knowledge of advanced math & science gained by higher education is devoted to creation of new technology for the benefit of humanity.
- **Engineering Technology:** The profession in which a knowledge of math and science gained by higher education is devoted to the application of engineering principles and the implementation of technological advances for the benefit of humanity.
- **What Civil students study:**
 - Seven courses in Math with more theory and a different Calculus sequence.
 - Calculus-based Physics and Chemistry.
 - Four engineering science courses.
 - 16 Technical Core courses (Structural, Materials, Transportation, Environmental).
 - More theory, less applications.
- **What Civil Graduates do:**
 - The majority work as design engineers for consultants. (Applying rarely creating.)
 - Most spend time only in the office.
 - Work in transportation & traffic, structural, environmental, waste and water treatment.
- **Other Differences:**
 - Co-op required for Civil Engr. Students.
 - Professional Registration a bit different.
 - CET Professors teach, have experience and don't do major research.

Construction Engineering Technology Curriculum – Full Time

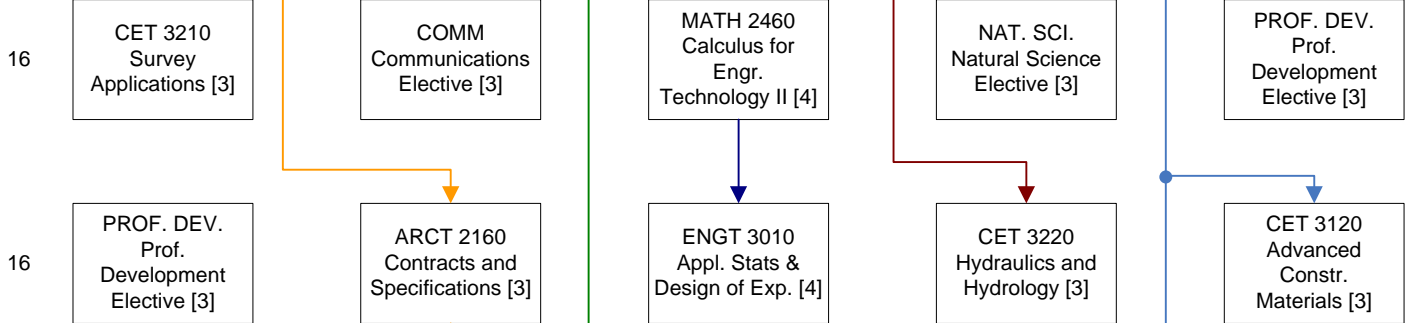
FRESHMAN



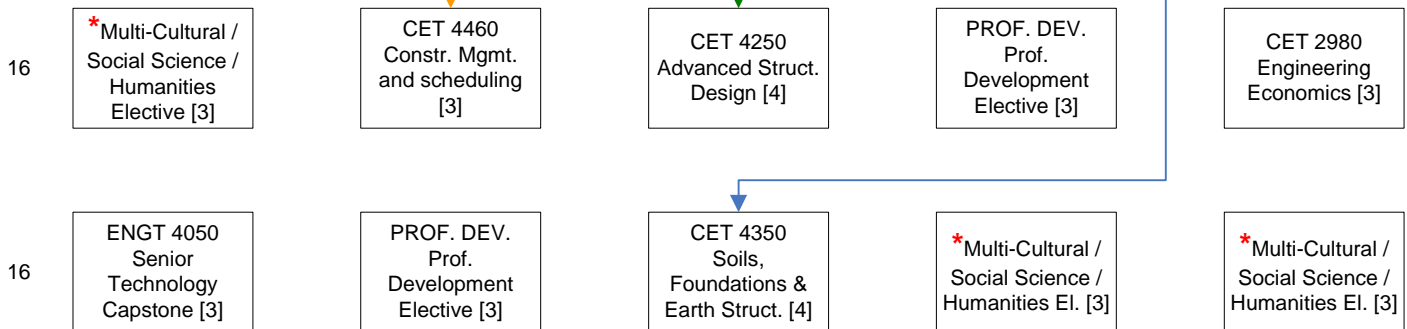
SOPHOMORE



JUNIOR



SENIOR



* Requires utilization of "double-dip" elective.

** May require multiple classes due to Math placement
 Allowable Professional Development Electives include:
 BAUD-2040, 2050, 2080, 3010, 3020, 3030, 3040, 3470,
 FINA-3060, BLAW-3570 and one of either ECON-1150
 or 1200.

Allowable Natural Science Electives Include:
 EEES-3250 & CHEM-1230 w/ 1280 Lab. Note
 that total credit hours may vary from flowchart
 required values and that CHEM-1230 may
 require CHEM-1090 first due to your placement

Refer to the "Pink Sheet" for allowable Humanities,
 Social Science, or Multi-Cultural Electives. Allowable
 Allowable Communications electives include:
 COMM-2600, 3610, 3810, 3820, 3840, 3880, & 3890.

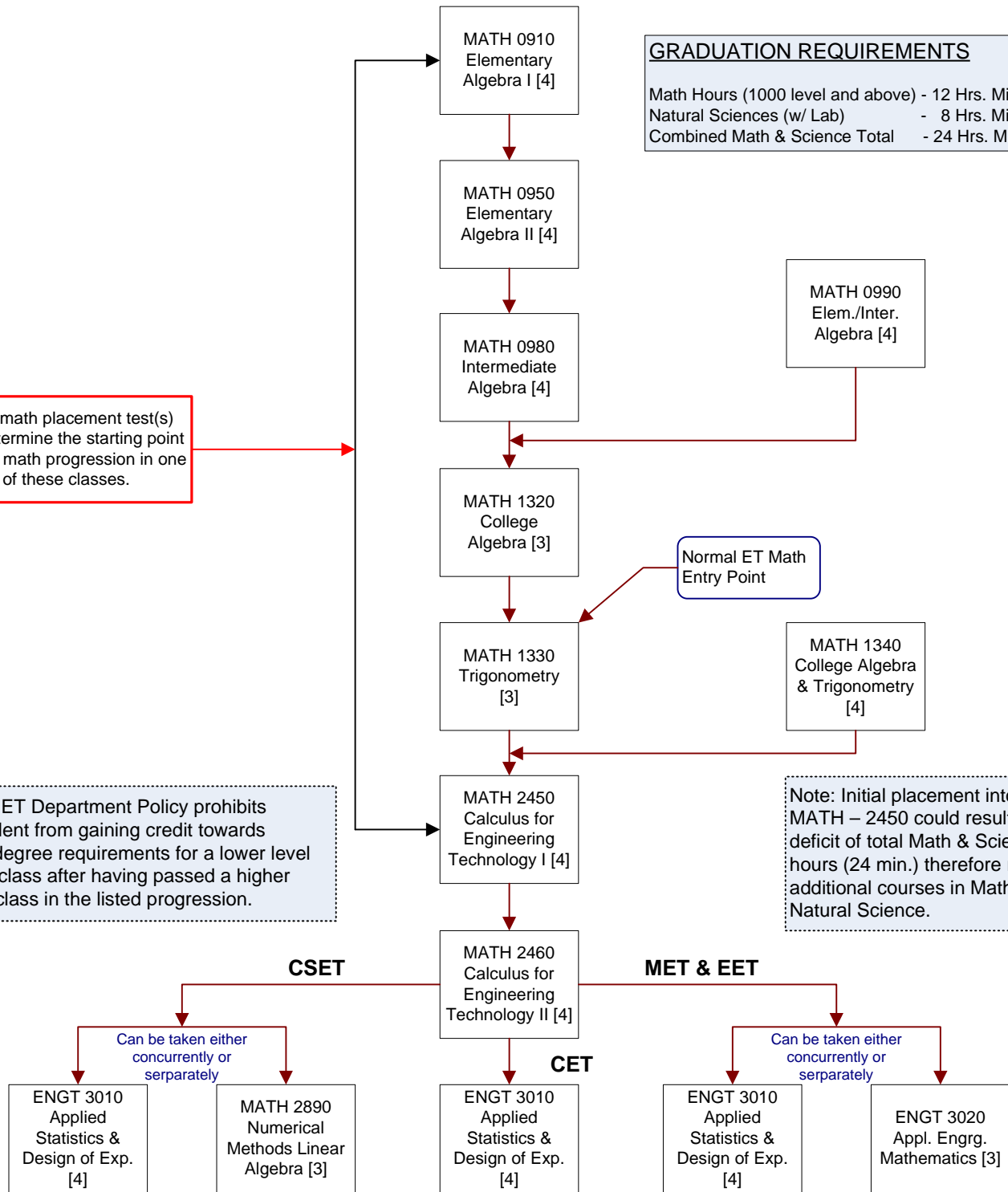
Engineering Technology Math Flow Chart

GRADUATION REQUIREMENTS
 Math Hours (1000 level and above) - 12 Hrs. Min.
 Natural Sciences (w/ Lab) - 8 Hrs. Min
 Combined Math & Science Total - 24 Hrs. Min.

Your math placement test(s) will determine the starting point of your math progression in one of these classes.

Note: ET Department Policy prohibits a student from gaining credit towards their degree requirements for a lower level Math class after having passed a higher level class in the listed progression.

Note: Initial placement into MATH – 2450 could result in a deficit of total Math & Science hours (24 min.) therefore requiring additional courses in Math or Natural Science.



The following Math Classes are suggested for Each program should the student require additional Math hours to reach the Required minimum of 12.

MATH – 300 Symbolic Logic (3)
 ENGT – 3020 Appl. Engr. Math (3)

MATH – 2890 Num. Math & Lin. Alg (3)
 ENGT – 3020 Appl. Engr. Math (3)
 MATH – 1780 Intro. To MAPLE (1)

MATH – 2890 Num. Math. & Lin. Alg. (3)
 MATH – 3860 Elem. Diff. Equations (3)
 MATH – 1780 Intro. To MAPLE (1)