TAMUK Civil Engineering Program
Fall 2013 degree plan flow chart

Key:
- White Box (G designation) = Geotechnical Engineering (4 hours without electives)
- Yellow Box (S designation) = Structural Engineering (11 hours without electives)
- Blue Box (W designation) = Water Resources Engineering (10 hours without electives)
- Green Box (T designation) = Transportation Engineering (6 hours without electives)
- Purple Box = Mandatory course that relates to multiple specialties
- Orange Box = Engineering Elective Course
- Dark Green Box = Mathematics and Physics prerequisites
- Boxes with Red Dot = Courses along Critical Path to Graduation
- Black arrow = Indicates prerequisite sequence
- Red arrow (C designation) = Course at end of arrow needs credit or registration in course at beginning of arrow

MATH 2413
Calculus I

MATH 2414
Calculus II

CEEN 2301
Mechanics I

CEEN 2303 (S)
Structural Analysis

CEEN 3144 (S)
Construction Materials

CEEN 3145 (S)
Construction Materials Lab

CEEN 3365 (W)
Environmental Engineering

CEEN 3390 (W)
Hydraulics and Fluid Mechanics

CEEN 3311
Strength of Materials

CEEN 3142 (G)
Geotechnical Engineering

CEEN 3143 (G)
Geotechnical Engineering Lab

CEEN 3303 (S)
Reinforced Concrete Design

CEEN 4316 (S)
Structural Steel Design

CEEN 4289
Design in Civil Engineering II

CEEN 4632 (W)
Hydrology

CEEN 4279
Design in Civil Engineering I

Elective
Check individual course prerequisites

Elective
Check individual course prerequisites

Elective
Check individual course prerequisites

CEEN 2113 (T)
Surveying Laboratory

CEEN 3167 (W)
Hydraulics and Environmental Engineering Lab

CEEN 2212 (T)
Surveying

MATH 2413
Calculus I

PHYS 2325/2125
University Physics I

PHYS 2325/2125
University Physics I

MATH 2414
Calculus II

CEEN 2301
Mechanics I