

**RECOMMENDED MINIMUM DEFICIENCY COURSE FOR STUDENTS WITH A B.S.
DEGREE OUTSIDE CIVIL ENGINEERING**

I. For Students with a B.S. Degree in Non-Civil Engineering discipline:

Engineering Course Units

EGCE 301 Mechanics of Materials	3
EGCE 324 Soil Mechanics	3
EGCE 325 Structural Analysis	3
EGCE 408 Reinforced Concrete Design	3
EGCE 428 Engineering Hydraulics	3
EGCE 430 Structural Steel Design	3

Total # of deficiency units 18 units

II. For Students with a B.S. Degree in Sciences:

EGCE 201 Statics	3
EGCE 301 Mechanics of Materials	3
EGCE 324 Soil Mechanics	3
EGCE 325 Structural Analysis	3
EGCE 408 Reinforced Concrete Design	3
EGCE 428 Engineering Hydraulics	3
EGCE 430 Structural Steel Design	3

Total # of deficiency units 21 units

III. For Students with a B.S./B.A. Degree in Non-Sciences/Non-Engineering:

Math 150B Analytical Geometry & Calculus	4
Math 250A Intermediate Calculus	4
Phys 225 Fundamental Physics: Mechanical	3
Phys 225L Fundamental Physics: Mech. Lab	1
EGCE 201 Statics	3
EGCE 301 Mechanics of Materials	3
EGCE 324 Soil Mechanics	3
EGCE 325 Structural Analysis	3
EGCE 408 Reinforced Concrete Design	3
EGCE 428 Engineering Hydraulics	3
EGCE 430 Structural Steel Design	3

Total # of deficiency units 33 units

Depending on the student's background and future study plan, the graduate advisor may delete/add additional deficiency courses.

Students are expected to complete all the deficiency courses before taking any graduate course. With Department approval, a maximum of two graduate courses may be allowed before the completion of the deficiency courses.