

## Professional Diploma in Structural Engineering (120 Credits)

## Master of Science (Structural Engineering) (240 Credits)

### Pre requisite

Advanced Diploma in Civil Engineering or Equivalent with 60 credits advanced standing

### Subjects (Totalling 60 Credits)

- CE113 Structure 1 (3 credits)
- CE114 Structure 2 (2 Credits)
- BAE404S Engineering Materials & Strength of Materials (10 credits)
- BAE 403S Engineering Mechanics (10 credits)
- RE010 Engineering Materials (5 credits)
- BAE621S Structural Engineering (Civil) (10 credits)
- BAE424S Reinforced Concrete (Civil) (10 credits)
- BAE 701 Engineering Fundamental (10 credits)

(BAE403S, BAE404S, BAE621S and BAE424S are more intensive version of BAE403, BAE404, BAE621 and BAE424)

### Master Course (120 Credits transfer + 120 Credits of study = 240 credits)

- BAE 708 Engineering Knowledge (10 Credits)
- BAE 705 Engineering Competency Development (10 Credits)
- BAE 706 Engineering Report Writing Development (10 Credits)
- BAE 707 Engineering Ethics (10 Credits)
- BAE 709 Design Project (40 Credits)
- BAE 709S Structural Design Project (20 Credits)

(BAE706, BAE709 and BAE709S can be concurrently presented)