

6 YEAR PLAN FOR THE BS IN CONSTRUCTION ENGINEERING MANAGEMENT (ET_BS01)**134 UNITS REQUIRED****DEPARTMENT OF CIVIL ENGINEERING AND
CONSTRUCTION ENGINEERING MANAGEMENT****Semester 1**

Course	Units
Univ 100, Univ & Your Future	1
CEM 121 Construction Drawing I	2
CEM 125 Fundamental of Construction	2
MATH 122, Calculus I(GE B.2)	4
Composition or Oral Communication	3
TOTAL UNITS	12

Semester 2

Course	Units
CEM 130&130L Const Surv & LAB	2
CEM 205&250L Comp Sys/Progr. & Lab	2
PHYS 100A General Physics	4
Oral Communication or Composition	3
TOTAL UNITS	11

Semester 3

Course	Units
CEM 201 Principle of Accounting	3
CEM 225 Res/Lt Comm. Const	2
PHYS 100B General Physics	4
Critical Thinking	3
TOTAL UNITS	12

Semester 4

Course	Units
CEM 202 Prob. Stat. for CE	3
ENGR 203 Engr Problem & Analysis	3
CEM 235 & 235L Concrete Constr. /Lab	2
GE Class	3
TOTAL UNITS	11

Semester 5

Course	Units
CEM 204 Applied Mech.-Statics	3
ECON 300 (GE D.2) Fund of Econ.	3
GE Class	3
TOTAL UNITS	9

Semester 6

Course	Units
CEM 304 App. Mech/ Str of Materials	3
CEM 321 Oper. Mgmt. in Contem. Org.	3
CEM 365 Mech. Equip for Building	2
GE Class	3
TOTAL UNITS	11

Semester 7

Course	Units
CEM 325 Comm insti/Indus. Const	2
CEM 328 Construction Safety	2
CEM 335&335L, Soil Mech. & Lab	3
CEM 375 Elec. Equip. for Build	2
GE Class	3
TOTAL UNITS	12

Semester 8

Course	Units
CEM 345 Concr. Formwk & Temp. Struc.	2
MGMT 300 Principle of Mgmt	3
ENGR 310 Bus Comm in Engr Prf	3
GE Class	3
TOTAL UNITS	11

Semester 9

Course	Units
CEM 404 Structural Design I	2
CEM 410 Cost Engr & Analysis	3
CEM 421 Const. Plan & Sched.	3
GE Capstone class	3
TOTAL UNITS	11

Semester 10

Course	Units
CEM 426 Bus. & Constr. Law	3
CEM 423 Site Analysis	2
CEM 425 Earthwork & civil works const.	2
CEM 428 Contract Admin.	2
GE Capstone class	3
TOTAL UNITS	12

Semester 11

Course	Units
CEM 430 Adv Est & Bidding	3
CEM 438 Structural Design II	2
CEM Technical Elective	2
GE Capstone class	3
TOTAL UNITS	12

Semester 12

Course	Units
CEM 431 Constr. Cost Control	3
CEM 435 Construction Materials	3
CEM 490 Constr. Project Mgmt	3
CEM Technical Elective	2
TOTAL UNITS	11

Engineering students may waive six units of General Education. (Category D.2 and B.1.a or C.3 or E)