

5 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 Construction Surveying &	2
PHYS 100A General Physics	4
Oral Communication or Composition	3
GE Class	3
TOTAL UNITS	12

Semester 3

Course	Units
CEM 201 Principle of Accounting	3
CEM 205&250L Computer Sys. & Progr.	2
CEM 225 Residential & Light	
Commercial Constr. Practices	2
CEM 235/ L Concrete Constr. /Lab	2
PHYS 100B General Physics	4
TOTAL UNITS	13

Semester 4

Course	Units
CEM 204 Applied Mech.-Statics	3
CEM 202 Prob. Stat. for CE	3
ENGR 203 Engr Problem & Analysis	3
Critical Thinking	3
GE Class	3
TOTAL UNITS	15

Semester 5

Course	Units
MGMT 300 Principle of Mgmt	3
CEM 304 App. Mech/ Str of Materials	3
ENGR 310 Bus Comm in Engr Prf	3
GE Class	3
TOTAL UNITS	12

Semester 6

Course	Units
ECON 300 (D.2) Fund of Economics	3
CEM 321 Oper. Mgmt. in Contem. Org.	3
CEM 325 Comm inst/Indus. Const	2
ENGR 300L	1
CEM 335&335L, Soil Mech & Lab	3
GE Class	3
TOTAL UNITS	15

Semester 7

Course	Units
CEM 328 Construction Safety	2
CEM 345 Concr. Formwk/Temp. Struc.	2
CEM 365 Mech. Equip for Building	2
CEM 404 Structural Design I	2
CEM 423 Site Analysis	2
GE Class	3
TOTAL UNITS	13

Semester 8

Course	Units
CEM 375 Elec. Equip. for Build	2
CEM 410 Cost Engr & Analysis	3
CEM 421 Const. Plan & Sched.	3
CEM 428 Contract Admin.	2
GE Capstone class	3
TOTAL UNITS	13

Semester 9

Course	Units
CEM 425 Earthwork & civil works const.	2
CEM 426 Bus. & Constr. Law	3
CEM 430 Advance Estimating & Bidding	3
CEM 438 Structural Design II	2
GE Capstone class	3
TOTAL UNITS	13

Semester 10

Course	Units
CEM 431 Constr. Cost Control	3
CEM 435 Construction Materials	3
CEM 490 Constr. Project Mgmt	3
CEM Technical Elective	4
GE Capstone class	3
TOTAL UNITS	16

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