

**4 YEAR PLAN TO 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 Fund of Const	2
MATH 122, Calculus I(GE B.2)	4
Composition or Oral Communication	3
GE Class	3
<b>TOTAL UNITS</b>	<b>15</b>

**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
GE Class	3
GE Class	3
<b>TOTAL UNITS</b>	<b>17</b>

**Semester 3**

Course	Units
CEM 201 Principle of Accounting	3
CEM 204 Applied Mech.-Statics	3
CEM 225 Res/Lt. Comm. Const	2
CEM 235&235L Concrete Const & Lab	2
PHYS 100B General Physics	4
Critical Thinking	3
<b>TOTAL UNITS</b>	<b>17</b>

**Semester 4**

Course	Units
CEM 202 Prob. Stat. for CE	3
ENGR 203 Engr Problem & Analysis	3
CEM 300L Comp. Appl. For CEM Lab	1
CEM 304 App. Mech/ Str of Materials	3
ENGR 310 Bus Comm in Engr Prf	3
GE Class	3
<b>TOTAL UNITS</b>	<b>16</b>

**Semester 5**

Course	Units
MGMT 300 Principle of Mgmt	3
CEM 321 Oper. Mgmt. in Contem. Org.	3
CEM 325 Comm inst & Indus Const	2
CEM 365 Mech. Equip for Building	2
ECON 300 (GE D.2) Fund of Econ	3
GE class	3
<b>TOTAL UNITS</b>	<b>16</b>

**Semester 6**

Course	Units
CEM 328 Construction Safety	2
CEM 335&335L, Soil Mech Tech. & Lab	3
CEM 345 Concr. Formwk & Temp. Struc.	2
CEM 375 Elec. Equip. for Build	2
CEM 404 Structural Design I	2
GE Capstone class	3
GE Capstone class	3
<b>TOTAL UNITS</b>	<b>17</b>

**Semester 7**

Course	Units
CEM 410 Cost Engr & Analysis	3
CEM 421 Const. Plan & Sched.	3
CEM 423 Site Analysis	2
CEM 425 Earthwork & civil works constr	2
CEM 426 Bus. & Constr. Law	3
CEM 428 Contract Admin.	2
GE Capstone class	3
<b>TOTAL UNITS</b>	<b>18</b>

**Semester 8**

Course	Units
CEM 430 Advance Estimating & Bidding	3
CEM 431 Constr. Cost Control	3
CEM 435 Construction Materials	3
CEM 438 Structural Design II	2
CEM 490 Constr. Project Mgmt	3
CEM Technical Electives	4
<b>TOTAL UNITS</b>	<b>18</b>

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