```
Major Required
CE1011L - Surveying Engineering Laboratory (1)
CE1101 - Construction Drafting (2)
CE1101L - Construction Drafting Laboratory (1)
CE2030 - Civil Engineering Materials (2)
* E230L - Civil Engineering Materials Laboratory (1)
CE2051 - Mechanics of Materials (3)
CE2061 - Fluid Mechanics (3)
CE3101 - Construction Engineering (2)
```



```
* 3121 - Building Systems (2)
CE3140 Contructiontimating (3)
* 3150-Construction Equipment and Satoty (3)
CE3401 - Geotechnical Engineering (3)
CE3401L - Geotechnical Engineering Laboratory (1)
CE3501 - Structural Analysis I (3)
CE3501L - Structural Design Laboratory (1)
CE4120 - Construction Scheduling (2)
*4120 - Construction Scheduling Laboratory (1)
CE4140 - Construction Project Management and Accounting (3)
CE4510 - Structural Design - Reinforced Concrete (3)
CHM1210 - General Chemistry I (3) (BI
CHM1210L - General Chemistry Laboratory I (1) (B3)
EGR4050 - Role of Design Professionals In Society (3) (D4)
EGR4820 - Project Design Principles and Applications (1) (B5
EGR4830 - Project Design Principles and Applications (1) (B5)
GSC3210 - Engineering Geology I (2) (B5)
GSC3210L - Engineering Geology I Laboratory (1) (B5)
IME3011 - App. of Stats in Engineering (2)
IME4020 - Ethical Concepts in Technology and Applied Science (3) (B5 or C3
MAT1140-Calculus I (4) (B4
MAT2140-C Culcus III (4)
MAT2240 - Elementary Linear Algebra and Differential Equations (3)
PHY1510- Introduction to Newtonian Mechanics (3) (B1)
PHY1510L - Newtonian Mechanics Laboratory (1)
PHY1520 - Introduction to Electromagnetism and Circuits (3)
PHY1520L - Introductory Laboratory on Electromagnetism and Circuits (1) (B3)
```


## Major Electives

Select 3 units from the following list:
CE2011 - Technical Communications (3) C -
CE3510 - Structural Analysis II (3)
CE4020 - Civil Engineering Internship (2)
CE4031 - Sustainable Buildings and Infrastructure (3)
CE4171 - Virtual Design Construction and Management - BIM (2)
CE4171L - Virtual Design Construction and Management - BIM Laboratory (1)
CE4301 - Digital Mapping (2)
E4301L - Dipital Maping (2)
CE4321 - Subdivision Engineering and Land Survey Descriptions (3)
CE4321L - Subdivision Engineering and Land Survey Descriptions Laboratory (1)
CEE4331 - GIS Applications in Engineering and Remote Sensing (2)
CE4331L - GIS Applications in Engineering and Remote Sensing Laboratory (1)
CE4400 - Foundation and Retaining Wall Design (3)
CE4461 - Rock Mechanics (3)
CE4470 - Slope Stability and Earth Dams (3)
CE4520 - Masonry Design (3)
CE4530 - Structural Design - Timber (2)
CE4530L - Structural Design-Timber Laboratory (1)
CE4540 - Bridge Design (3)
E4571 - Introduction tign - Steo (3)
En571- Introduction to Earthquake Engineering and Structural Dynamics (3)
E4640L - Transportation Planning and Managent (3)
92 units

```
```

