

SAMPLE COURSE SCHEDULE

Freshman Year

First Semester	Hours
MATH 180 – Calculus I	5
CHEM 112 – General College Chemistry I	5
ENGL 160 – English Composition I	3
Humanities or social sciences elective	3
ENGR 100 – Orientation	0
<i>ENGR 100 is a one-semester-hour course, but the hour does not count toward the total hours required for graduation.</i>	
Total Hours	16

Second Semester	Hours
MATH 181 – Calculus II	5
PHYS 141 – General Physics I (Mechanics)	4
ENGL 161 – English Composition II	3
ME 250 – Engineering Graphics and Design	3
Humanities or social sciences elective	3
Total Hours	18

Sophomore Year

First Semester	Hours
MATH 210 – Calculus III	3
PHYS 142 – General Physics II (Electricity and Magnetism)	4
CS 108 – Fortran Programming for Engineers	3
CME 201 – Statics	3
IE 201 – Engineering Economy	3
Total Hours	16

Second Semester	Hours
MATH 220 – Introduction to Differential Equations	3
ME 205 – Introduction to Thermodynamics	3
OR	
ECE 210 – Electrical Circuit Analysis	
CME 203 – Strength of Materials	3
ME 210 – Engineering Dynamics	3
CME 211 – Fluid Mechanics and Hydraulics	3
Total Hours	15

Junior Year

First Semester	Hours
CME 205 – Structural Analysis I	3
CME 216 – Environmental Engineering	3
CME 302 – Transportation Engineering	3
CME 315 – Soil Mechanics and Laboratory	4
Humanities or social sciences elective	3
Total Hours	16

Second Semester	Hours
CME 310 – Design of Reinforced Concrete Structures	3
CME 311 – Water Resources Engineering	3
Technical elective	3
CME 260 – Properties of Materials	3
CME 300 – Composition and Properties of Concrete	2
Humanities or social sciences elective	3
Total Hours	17

Senior Year

First Semester	Hours
CME 301 – Behavior and Design of Metal Structures	3
CME 396 – Senior Design I	3
CME 434 – Finite Element Analysis I	3
Technical elective	3
Elective outside the major rubric	3
Total Hours	15

Second Semester	Hours
CME 397 – Senior Design II	3
CME 402 – Geometric Design of Highway Facilities	3
Technical elective	3
CME 405 – Foundation Analysis and Design	3
Elective outside the major rubric	3
Total Hours	15