



BACHELOR OF SCIENCE IN CIVIL ENGINEERING-Pre-Med Track (2010)

Freshman Year		
First Semester		Hours
EN 101	English Composition I	3
ENGR 111	Engineering the Future	1
ENGR 131	Engineering Concepts & Design I	1
ENGR 151	Fundamentals of Engineering Graphics	1
CE 121	Introduction to Civil, Construction & Environmental Engineering	1
MATH 125	Calculus I	4
CH 101	General Chemistry I	<u>4</u>
Semester total		15
Second Semester		
EN 102	English Composition II	3
ENGR 141	Engineering Concepts & Design II	1
MATH 126	Calculus II	4
PH 105	General Physics I with calculus	4
CH 102	General Chemistry II	<u>4</u>
Semester total		16
Summer		
Elective	History / Social Behavior elective	3
BSC 114 / 115	Principles of Biology I with laboratory	<u>4</u>
Semester total		7
Sophomore Year		
First Semester		
BSC 116 / 117	Principles of Biology II with laboratory	4
AEM 201	Statics	3
ENGR 171	Large-Scale Engineering Graphics	1
MATH 227	Calculus III	4
CH 231	Elementary Organic Chemistry I	<u>3</u>
Semester total		15
Second Semester		
CE 262	Civil & Construction Engineering Materials	3
AEM 250	Mechanics of Materials I	3
MATH 238	Applied Differential Equations I	3
PH 106	General Physics II with Calculus	4
CH 232	Elementary Organic Chemistry II	<u>3</u>
Semester total		16

Junior Year		
First Semester		
CE 366	Introduction to Construction Engineering	3
CE 331	Introduction to Structural Engineering	3
AEM 264	Dynamics	3
CE 260	Civil & Construction Engineering Surveying	2
AEM 311	Fluid Mechanics	3
CH 237	Elementary Organic Chemistry Laboratory	<u>2</u>
	Semester total	16
Second Semester		
CE 340	Geotechnical Engineering	4
CE 378	Water Resources Engineering	3
CE 320	Intro to Environmental Engineering	3
CE 350	Introduction to Transportation Engineering	3
Elective	History / Social Behavior elective	<u>3</u>
	Semester total	16
Senior Year		
First Semester		
2 Electives	Senior Plan of Study Electives	6
Elective	Humanities / Literature / Fine Arts	3
GES 255	Engineering Statistics	3
COM 123	Public Speaking	<u>3</u>
	Semester total	15
Second Semester		
CE 401 or 403	Civil Engineering Project Site Development or Civil Engineering Project Building Design	4
Elective	Senior Plan of Study Elective	3
Elective	History / Social Behavior elective	3
Elective	Humanities / Literature / Fine Arts	3
BSC 450	Fundamentals of Biochemistry	<u>3</u>
	Semester total	16
Total Hours =		132
		(Basic=125)