

FBSU DEPARTMENT OF CIVIL ENGINEERING

Study Plan for the BCE Degree

(137Credit Hours)

Year I

First Semester (16 Credit Hours)

Course	Title	Credits	Prerequisites
ENGL 101	Basic Academic English I	3	-
MATH 101	Calculus I	3	-
PHYS 101/101L	College Physics I + Lab	3+1	MATH 101 (co)-
CSC 101	Introduction to Computing for Engineers	3	-
SOCS 101	Islamic Civilization I	3	-

Total Credits 16

Second Semester (17 Credit Hours)

Course	Title	Credits	Prerequisites
ENGL 102	Basic Academic English II	3	ENGL 101
MATH 102	Calculus II	3	MATH 101
PHYS 102/102L	College Physics II + Lab	3+1	PHYS 101
CHEM 101/101L	College Chemistry + Lab	3+1	-
ARAB101	Basic Academic Arabic	3	-

Total Credits 17

Summer Semester I (6 Credit Hours)

Course	Title	Credits	Prerequisites
SOCS 201	Islamic Civilizations II	3	SOCS 101
SOCS 202	World Civilizations	3	

Total Credits 6

Year II

Third Semester (18 Credit Hours)

Course	Title	Credits	Prerequisites
MATH 201	Calculus & Analytic Geometry III	3	MATH 102
CIVE 210	Statics	3	MATH 102
MECH 211	Thermodynamics	2	
CIVE 260	Spatial Measurements	2	
CIVE 250	Environmental Engineering	3	CHEM 101
ENGL 203	Advanced Academic English I	3	ENGL 102
MECH 200	Engineering Graphics	2	

Total Credits 18

Fourth Semester (17 Credit Hours)

Course	Title	Credits	Prerequisites
MATH 202	Differential Equations	3	MATH 201
CIVE 211	Structural Mechanics	3	CIVE 210
CIVE 220/220L	Engineering Materials + Lab	3+1	
CIVE 240/240L	Fluid Mechanics +LAB	3+1	MECH 211
STAT 230	Probability and Statistics	3	MATH 201

Total Credits 17

