

Biomedical Engineering

SCCC Course - First Semester -FALL 1

Course #	Description	Credits	Course #	Hofstra Equivalent Description	Credits
COL101 (-)	Freshman Seminar	1			
CHE133	College Chem I	4	Chem 3A	Gen Chem	3
			Chem 3B	Gen Chem Lab	1
ENG101	Standard Freshman Composition	3	WSC 1	Composition	3
ENS112	Introduction to Engineering Design	2	ENGG 15	Design Human World	2
MAT141	Calculus with Analytic Geometry I	4	MATH 71	Calculus I	4

SCCC Course - Second Semester -Spring 1

Course #	Description	Credits	Course #	Hofstra Equivalent Description	Credits
CHE134	College Chem II	4	Chem4A (-)	General Chemistry II	3
ENG102	Introduction to Literature	3	WSC 2	Composition	3
MAT142	Calculus with Analytic Geometry II	4	MATH 72	Calculus II	4
ENS117	Engineering Computations	3	ENGG 10	Comp. Prog. For Engg.	3
PHY130	Physics I	3	Phys 11A	Gen. Physics	3
PHY132	Physics I Lab	1	Phys 11B	Gen. Physics Lab	1
			ENGG 19 (+)	Tech. & Society	3

SCCC Course - Third Semester -FALL 2

Course #	Description	Credits	Course #	Hofstra Equivalent Description	Credits
DRF114	AutoCAD I	3	ENGG 112	Engg. Drawing	2
ENS118	Engineering Mechanics: Statics	3	ENGG 25	Statics	3
ENS233	Electrical Engineering Circuit Analysis	4	ENGG 30	Engg. Circuit Analysis	3
			ENGG 34	Circuit Analysis Lab	1
MAT204	Differential Equations	4	MATH 131	Differential Equations	3
PHY230	Physics II	3	Phys 12A	Gen. Physics	3
PHY232	Physics II Lab	1	Phys 12B	Gen. Physics Lab	1
			ENGG 27 (+)	Engineering Materials	3

SCCC Course -Fourth Semester -Spring 2

Course #	Description	Credits	Course #	Hofstra Equivalent Description	Credits
ENS119	Engineering Mechanics Dynamics or * Engineering Elective	3	ENGG 26	Dynamics	3
	History Elective	3	Elective (+)	Soc.Sci/Humanities	3
MAT203	Calculus with Analytical Geometry III	4	MATH 73	Calculus III	4
PHYS245 (-)	*Physics III	3			
PHYS246 (-)	*Physics III Lab	1			
			ENGG 28 (+)	Strength of Materials	3
			ENGG 113 (+)	Thermodynamics	3

(+) Hofstra Requires

(-) Hofstra Does Not Require

*Credit will transfer but not towards this major