Eugenio Maria de Hostos Community College and The City College

JOINT PROGRAM IN CIVIL ENGINEERING

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G 11.	g :	Credits
		4
	- 10 10 10 10 10 10 10 10 10 10 10 10 10	
3		3
3		3
1	CHE 4104 Chemistry Lab II	1
3	PHY 4502 Physics I	4
1	MAT 1698 Modern Programming	3
2		
0		
17	Total	18
Credits	Spring	Credits
4	MAT 1742 Differential Equations	3
-3	*CE 33200 Mechanics Deformable	4
	Bodies	
3	* ENGR 27600 Engineering	3
3		3
		3
T	02 23,00	
17	Total	16
	1 3 1 2 0 17 Credits 4 3 3 4	4 MAT 1644 Calculus II 3 ENG 1303 Literature and Composition 3 CHE 4004 Chemistry II 1 CHE 4104 Chemistry Lab II 3 PHY 4502 Physics I 1 MAT 1698 Modern Programming 2 0 17 Total Credits Spring 4 MAT 1742 Differential Equations 3 *CE 33200 Mechanics Deformable Bodies 3 *ENGR 27600 Engineering Economics 3 *CE 35000 Fluid Mechanics 4 *CE 26400 Data Analysis

TOTAL HOSTOS CREDITS Associate Degree in Civil Engineering Science (AS)

CCNY

Third \	Year – Fall		Spring		
-		3	CE	34500 Soil Mechanics	3
CE	34000 Structural Analysis	2		44100 Reinforced Concrete	3
CE	36100 Hydraulics	3	1000		3
CE	33500 Computational		CE	38000 Environmental Eng I	2
	Methods in CE	3	ENGR	23000 Thermodynamics	3
CE		3	LA	Liberal Arts elective	3
100-000000	39200Linear Alegbra/Vector	3	BIO	32100 Human 1 my 51010 gy	or
MA	59200Linear Alegora vector	2	EAS	21300 Engineering Geology	3
LA	Liberal Arts elective	2	LAS	Total	18
	Total	18		Total	10

	routh real - rall		*
	CE 39100 Contracts & Specifications	2	
2	CE 43500 Dynamics of CE Systems	3	
	CE 40100 Reviews of Engineering	3	
	Fundamentals		, , ,
	ENGR 20400 Electrical Circuits	1	
	LA Liberal Arts elective	3	
	LA Liberal Arts elective	3	
	0 1 11		
	Specialization Core (select one option; 18 cr)	6	
	Structures		
	CE 44000 FEA of Structures		
	CE 44200 Structural Design		
	01		
	<u>Environmental</u>		
	CE 45100 Env. Water Resource		i
	CE 48200 Environmental Fnor II		,
	<u>Transportation</u>		
	CE 52000 Traffic Engineering		
	CE 54000 Highways Engineering		
ii.	Biomedical	4	
14.15			
	Signature of the state of the s		
	CE 53000 Advanced Strength		
	Total	18	
_			
Fo	urth Year – Spring		
	*		
Lil	peral Arts Elective 3		
	3		
Sp	ecialization Design Electives 6, 9 or 12		
(sel	ect 2-4 courses from the same option and/or common		
list	except select 2 courses for the Diagram and/or common		
not t	except select 3 courses from the Biomedical)		
Co	mmon List		
		Trans	sportation
CE	OE Bystelli Allaivsis	CE	
CE	49000 Computer Methods	CE	52500 Geo. Design Facilities
		CE	52600 Rail System Design
Env	rironmental	CE	54100 Highway & Airport
CE	H6200 Engineering Hydrology Structures	CE	59000 Foundation of Engineering
	and Hydrology Structures	~.	
Stri	ictures	Biome	
CE		ChE	51200 Pharm.Appl.ChE
CE	55000 Adv Reinforced Concrete	BME	50100 Cell/Tissue Mech
CE	59000 Foundation of Engineering	BME	50200 Cell/Tissue Trans
	H2300 Advanced Structural Design	BME	50300 Cell/Tissue Biomaterials
CE	H5100 Prestress. Concrete		biomaterials
CE	H5200 Bridge Engineering		

Specialization Technical Elective 6, 3 or 0 (Biomedical Option select 1 course; Others select 0-2 courses from the same option and/or common list of courses)

Comm			
CE	51000	Independent Study	
Phys	321	Modern Physics	
Enviro	nmenta	1	
The second second			
Bio		Microbiology	
Chem		Organic Chemistry I	
CE		Surveying Camp	
CE		Construction Project Mgt	
CE		Water Quality Analysis	
CE) Bio Systems Env. Engr	
CE	H8400) Solid Waste Management	
EAS	34500	Hydrology	
Biome	dical		
CE) FEA of Structures	
CE	H630	O Groundwater Hydrology	

Structures

36000 Surveying Camp CE 50500 Construction Project Mgt CE

53000 Advanced Strength CE 46100 Engineering Materials ME

Transportation

36000 Surveying Camp CE

50500 Construction Project Mgt CE

54500 Urban Transportation CE

34500 Hydrology EAS

Total

TOTAL CCNY CREDITS

TOTAL DEGREE CREDITS 137

Bachelor of Engineering in Civil Engineering - B.E.(CE)

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Course will be co-listed. Students will be given a permit to attend CCNY until such time as there is sufficient enrollment to offer the course at Hostos.