Eugenio María de Hostos Community College
and
The City College of New York

Proposal for a Dual / Joint
Associate in Science in Electrical Engineering Science (A.S.)
Bachelor of Engineering in Electrical Engineering (B.E.)

The Department of Mathematics
Eugenio María de Hostos Community College
Dr. Daniel Maysonet, Chairperson

School of Engineering
The City College of New York
Dr. Mohammad A. Karim, Dean

Proposed Initiation Date: Fall 2003

Proposal Approved by
Hostos Community College Senate: December, 2002
Proposal Approved by
The City College of New York,
School of Engineering,
Undergraduate Curriculum Committee: January, 2003

Eugenio María de Hostos Community College
and
The City College
JOINT PROGRAM IN ELECTRICAL ENGINEERING

Hostos

First Year – Fall *	Credits	Spring	Credits
MAT 1642 Calculus I	4	MAT 1644 Calculus II	4
ENG 1302 Composition I	3	English 1303	3
CHE 4002 Chemistry I	3	Soc 1232 Introduction	3
CHE 4102 Chemistry Lab I	1	MAT 1698 Modern Programming	3
Psychology 1032 General Psych	3	Liberal Arts Elective †	1
		ENGR 10100 Engineering Design I	Waived
Total	14	Total	14
Second Year – Fall	Credits	Spring	Credits
MAT 1646 Calculus III	4	MAT 1742 Differential	3
PHY 4502 Physics I	4	***ENGR 20400 - Electric Circuits	3
***ENGR 10300 – Tool/Engineers	2	MAT 1722 Linear Algebra with Vector Analysis	3
** ENG 1340 Technical Writing	3	PHY 4504 Physics II	4
VPA 3612 Fund Public Speaking ††	3	Liberal Arts Elective	3
Total	16	Total	16

TOTAL HOSTOS CREDITS 60
Associate in Science Degree in Electrical Engineering Science (AS)

† Students who continue for a bachelor's degree at CCNY must complete 3 credits of history from the list below.

Liberal Art Electives to be selected from:
HIS 4668 Ancient, Medieval, and Early Modern European History, HIS 4670 Modern European History, HIS 4660 World History To 1500, HIS 4661 Modern World History, ECO 4645 Macroeconomics, ECO 4643 Microeconomics, POL 4701 American Government, HUM 3021 Diversity and Pluralism in America, VPA 3502 Arts and Civilization I or VPA 3552 Music Appreciation.

CCNY

Third Year – Fall

EE	2100	Switching Systems	3
EE	20500	Linear Systems I	3
EE	22100	EE Lab I	1
EE	24100	Electronics	3
EE	25900	Programming for EE	4
		Total	14

Fourth Year – Fall

EE	31200	Communication Theory	3
EE	32300	EE Lab III	1
EE	33300	Antennas, Microwaves & Fiber	3
EE	33900	Semiconductor Mat'ls & Devices	3
EE	37100	Linear Feedback Sys	3
Lecture elective			3
		Total	16

Fifth Year – Fall

EE	42400	EE Lab IV	1
Lecture Electives			6
Design Elective			3
Lab Elective			1
Practical Issues			3
		Total	14

Spring

EE	30600	Linear Systems II	3
EE	31100	Probability & Random Processing	3
EE	32200	EE Lab II	1
EE	33000	Electromagnetics	3
EE	34200	Electronics II	3
Lecture Elective			3
		Total	16

Spring

EE	44100	Elec Dev & Semiconductor Mat'ls	3
EE	44400	Digital Computer Systems	3
Engr	23000	Thermodynamics	3
Lecture Electives			6
		Total	15

TOTAL CCNY CREDITS 75

TOTAL BE/EE DEGREE CREDITS 135

Bachelor of Engineering in Electrical Engineering - BE(EE)

†† Students who complete VPA 3612 at Hostos, must take an additional three (3) credits of liberal arts at CCNY.

* Students needing remedial or compensatory courses will require additional credits for graduation.

** New course

*** 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.

- All first-time freshman must take SSD 1000: "Critical Skills for the 21st Century."
- The College requires successful completion of the CUNY tests in reading, writing and mathematics; the College Proficiency Examination (CPE) and 16 CPI units as required (see College Catalog).