Hostos Community College

Majors

Electrical Engineering Science - Electrical Engineering

Hostos Community College offers the Associate in Science (A.S.) degree in Electrical Engineering Science as a jointly registered, dual admission program with the existing Bachelor of Engineering in Electrical Engineering (B.E./E.E.) at the City College of New York.

The program has been designed to meet the licensure guidelines of the Accreditation Board for Engineering and Technology (ABET). The program will provide HCC students with the same curriculum as the first two years of the licensure qualifying electrical engineering program required at CCNY. Upon successful completion of the lower division at HCC students will have a seamless transition to the upper division of the baccalaureate program at CCNY. The collegial nature of the program will facilitate the transition to the professional portion of the curriculum.

Electrical Engineering Science students will enroll in the existing science and mathematics courses at Hostos and will enroll in the two engineering courses at CCNY.

Hostos Community College

First year Semester I		**Credits**
MAT 210	Calculus I	4.0
ENG 110	Expository Writing	3.0
CHE 210	General Chemistry I	4.0
PSY 1032	General Psychology	3.0
Subtotal		**14.0**

Semester II		**Credits**
MAT 220	Calculus II	4.0
ENG 111	Literature & Composition	3.0
SOC 101	Introduction to Sociology	3.0
MAT 200	Modern Programming	3.0
Liberal Arts Elective †		1.0
ENGR 10100	Engineering Design I	Waived
Subtotal		**14.0**

Second Year Semester I		**Credits**
MAT 310	Calculus III	4.0
PHY 210	Physics I	4.0
ENGR 10300*	Tool/Engineers	2.0
ENG 202 †	Technical Writing	3.0
VPA 192	Fundamentals of Public Speaking	3.0
Subtotal		**16.0**

Semester II		**Credits**
MAT 360	Differential Equations	3.0
ENGR 20400	Electric Circuits	3.0
MAT 320	Linear Algebra with Vector Analysis	3.0
PHY 220	Physics II	4.0
Liberal Arts Elective		3.0
Subtotal		**16.0**
TOTAL CREDITS		**60.0**

City College of New York (CCNY)

Third Year First Semester		**Credits**
EE 21000	Switching Systems	3.0
EE 20500	Linear Systems Analysis I	3.0
EE 22100	Electrical Engineering Lab	1.0
EE 24100	Electronics I	3.0
EE 25900	Programming for Electrical Engineering	4.0
Subtotal		**14.0**

Second Semester		**Credits**
EE 30600	Linear Systems Analysis II	3.0
EE 31100	Probability and Statistics	3.0
EE 32200	Electrical Engineering Lab II	1.0
EE 33000	Electromagnetics	3.0
EE 34200	Electronics II	3.0
Lecture Elective		3.0
Subtotal		**16.0**

Fourth Year Semester I		**Credits**
EE 31200	Communication Theory	3.0
EE 32300	Electrical Engineering Lab III	1.0
EE 33300	Introduction to Antennas, Microwaves & Fiber Optics	3.0
EE 33900	Semiconductor Materials & Devices	3.0
EE 37100	Linear Feedback System	3.0
Lecture Elective		3.0
Subtotal		**16.0**

Semester II		**Credits**
EE 44100	Electronic Devices & Semiconductor Materials	3.0
EE 44400	Digital Computer Systems	3.0
EE 23000	Thermodynamics	3.0
Lecture Electives		6.0
Subtotal		**15.0**

Fifth Year Semester I		**Credits**
EE 42400	Electrical Engineering Lab V	1.0
Lecture Electives		6.0
Design Electives		3.0
Lab Electives		1.0
Practical Issues		3.0
Subtotal		**14.0**
Total CCNY CREDITS		**75.0**
TOTAL BB/EE DEGREE CREDITS		**135.00**

Bachelor of Engineering in Electrical Engineering - BE(EE)

†Students who complete VPA 192 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. Course will be co- listed, students will be given a permit to attend CCNY until such a time as there is sufficient enrollment to offer the course at HOSTOS.

All first time freshmen must take SSD 1000: "Critical Skills for the 21st Century" The College requires successful completion of the CUNY tests in Reading, Writing and Mathematics.

Science for Forensic Science