ELECTRICAL AND COMPUTER ENGINEERING (NYEE-MENG)

College of Engineering

Program Website (https://tech.cornell.edu/programs/masters-programs/)

CIP: 14.1001 | **HEGIS:** 0909.00 | **NYSED:** 35886

Program Description

With the degree awarded by the College of Engineering, this one-year immersive program is designed to teach engineers, scientists, and quantitative analysts important state-of-the-art methods in signal processing, data science, and decision theory.

Cornell Tech Program Policies

- Cornell Tech campus policy indicates that students enrolled in full-time masters programs are required to maintain a minimum of 12 credits of enrollment each semester. Students are advised to enroll in an average of 15 credits each semester, unless your program requirements notes otherwise, to ensure progression towards degree completion.
- Students may not enroll in more than 18 credits per semester without Program Director approval, which will be granted only in exceptional circumstances.
- Students may only count a maximum of 2 credit hours graded as S/U towards the degree requirements. Classes that are only offered as S/U count towards this 2-credit limit. If students change a course that is more than 2 credits to "S/U", then that entire course will not count as it is over the 2-credit limit.
- All students must receive a B or higher in TECH 5900 Product Studio or TECH 5910 Startup Studio/TECH 5920 BigCo Studio/TECH 5930 PiTech Impact Studio.
- Only classes with a grade of C- or higher will count towards a student's degree requirements.
- Students must maintain at least a 2.5 GPA. Students who are not in good standing may be asked to leave the program.
- Please note Curricular Practical Training credits (TECH 5999 Independent Study) does not count towards graduation/degree requirements.

Program Information

- Instruction Mode: In Person
- Location: New York City, NY
- Minimum Credits for Degree: 30; Full-time study

Program Requirements

Technical Courses Required to Complete: 18 Credits

Students must take the following ECE coursework to graduate:

Code	Title	Hours
ECE 5414	Applied Machine Learning	3
or CS 5781	Machine Learning Engineering	
ECE 5415	Digital Signal Processing and Learning	3
or ECE 5746	Applied Digital ASIC Design	
or ECE 5755	Modern Computer Systems and Architecture	
6 credits of ECE Electives		6
6 credits of Technical Electives (Students may choose from any ECE, CS, ORIE, or INFO courses)		6

Studio Courses Required to Complete: 8 Credits

All Studio Courses must be taken for a letter grade.

Code	Title	Hours
TECH 5900	Product Studio	4
TECH 5910	Startup Studio	3
or TECH 5920	BigCo Studio	
or TECH 5930	PiTech Impact Studio	
1 credit of a TECH Studio Elective [1]		1

[1] TECHIE prefixes do not qualify as Studio electives.

General Electives Required to Complete: 4 Credits

- Select from any offerings on Cornell Tech's campus (CE, ECE, ORIE, INFO, LAW, NBAY, TECH, TECHIE).
- Please note: TECHIE 5310 Business Fundamentals must be taken as a prerequisite for all business courses.

University Graduation Requirements Requirements for All Students

In order to receive a Cornell degree, a student must satisfy academic and non-academic requirements.

Academic Requirements

A student's college determines degree requirements such as residency, number of credits, distribution of credits, and grade averages. It is the student's responsibility to be aware of the specific major, degree, distribution, college, and graduation requirements for completing their chosen program of study. See the individual requirements listed by each college or school or contact the college registrar's office (https://registrar.cornell.edu/service-resources/college-registrar-directory/) for more information.

Non-academic Requirements

Conduct Matters. Students must satisfy any outstanding sanctions, penalties or remedies imposed or agreed to under the Student Code of Conduct (Code) or Policy 6.4. Where a formal complaint under the Code or Policy 6.4 is pending, the University will withhold awarding a degree otherwise earned until the adjudication process set forth in those procedures is complete, including the satisfaction of any sanctions, penalties or remedies imposed.

Financial Obligations. Outstanding financial obligations will not impact the awarding of a degree otherwise earned or a student's ability to access their official transcript. However, the University may withhold issuing a diploma until any outstanding financial obligations owing to the University are satisfied.