

ENGINEERING INNOVATION (MINOR)

Program Description

The Engineering Innovation Minor (EIM) focuses on intra & entrepreneurship as a lever for Tandon SOE students to gain vital soft and hard skills to define their value at their future employment opportunities. The EIM Minor is open only to matriculated Tandon Students (or those in NYU pursuing and completing a dual (secondary) degree in Tandon).

This minor tasks Tandon SOE students with conceptualizing and pursuing the development of a commercially viable ventures during the minor with the purpose of learning the skills required to bring products and services from concepts to market, while also building a portfolio of projects. These goals are supported through the EIM's required core Innovation Management and Entrepreneurship course's acumens actualized in the NYU Tandon Future Labs (FLE) internship(s) alongside the Future Labs' portfolio of companies. The portfolio's companies are early stage and in the process of executing on their go-to-market strategies. Completed freshman engineering credits from the Tandon General Engineering Department are required. A required EIM "boot-camp" acquaints and acclimatizes students to the worlds of entrepreneurship and intrapreneurship, while preparing students outside of these worlds academically with soft and hard skills which will be needed for the student to survive and thrive in an entrepreneurial environment. An EIM Elective supports further specialization.

Applying for the Minor

Apply for a minor in Albert using the link in the My Academics section of the Student Center.

Students should apply for the minor before applying for graduation. After applying for the minor, the application is then forwarded to the Home School Advising Office, Host School Advising Office, Host School Department/Program, and the Academic Dean's office.

The departmental advisers governing the minor will have access to approve or disapprove the minor online using the Graduation Tracking Search page. If a student is registered for a course for the minor during their last semester, the adviser can still set the status to departmental approved pending current courses.

Program Requirements

See Footnotes and Program Notes below.

Course	Title	Credits
Core Courses		
MG-UY 3404	Innovation Management ¹	4
MG-UY 4601	Engineering Innovation Minor Boot-Camp ^{2,3,4}	1
MG-UY 4404	Entrepreneurship ¹	4
Required Internship Course		
CP-UY 2013/MG- UY 4603	Undergraduate Internship I ^{5,6}	3
EIM Elective Course		
Select three to four credits of elective courses ^{7,8}		3-4
Total Credits		15-16

¹ BTM major required MG-UY 4404 Entrepreneurship and MG-UY 3404 Innovation Management courses are replaced with: 1) a 4-credit total of MG-UY non-required course credits, 2) another 4 credits of EIM Electives pre-approved by the EIM Director.

² Students must be enrolled in the EIM Minor to be permitted registration to the MG-UY 4601 Engineering Innovation Minor Boot-Camp.

³ FLE Boot Camp is only waived for students who take a special restricted (non-BTM major) student cohort course of MG-UY 4404 Entrepreneurship [sec FTLB], when available. (Please contact the EIM Director. The 1cr deficit for this EIM cohort can be met with a 1cr EIM Elective pre-approved by the EIM Director.)

⁴ Tandon BTM majors cannot take the EIM Minor Boot Camp. BTM majors in the EIM must substitute MG-UY 4601 Engineering Innovation Minor Boot-Camp with a pre-approved 1cr by the EIM Director.

⁵ For CP-UY 2013 Undergraduate Internship I and CP-UY 2023 Undergraduate Internship II [sec FTLB], students must apply well in advance of the semester they are interested in for possible availability and/or placement. Future Labs cannot guarantee last minute placements.

⁶ May be cross-listed with MG-UY 4603 Technology Management—Internship and Service, [sec FTLB]⁴

⁷ EIM students are permitted to take an additional internship course CP-UY 2023 Undergraduate Internship II as an EIM Elective. (Note: Tandon permits a max of 6 credits of any internship total applied towards a Tandon degree, but BTM majors may only take MG-UY 4603 Technology Management—Internship and Service, once).

⁸ EIM Electives are chosen by the student to support their further specialization in the EIM. All EIM Electives are pre-approved by the EIM Director.

Program Notes

1. The EIM Minor is open only to matriculated Tandon Students (or those in NYU pursuing and completing a dual (secondary) degree in Tandon).
2. EIM applicants must have a passing grade in: 1) EG-UY 1004 Introduction to Engineering and Design or 2) EG-UY 1001 Engineering and Technology Forum together with either EG-UY 1003 Introduction to Engineering and Design or EG-UY 3003 Precapstone Innovation, as required as part of their SOE primary major.

Policies

Program Policies

GPA Requirement

In order for the Minor to be awarded and recorded on the official student transcript, the student has to obtain an overall 2.00 GPA in the Minor courses.

Double Counting Courses

Students may not double count courses between the Tandon Cross School Management Minor, the Tandon Cross School Minor in Technology Management and Design, the Tandon BTM major and the EIM.

Minor Residency Requirement

At least 50% of the EIM Minor must be taken in Tandon.

NYU Policies

University-wide policies can be found on the New York University Policy pages (<https://bulletins.nyu.edu/nyu/policies/>).

Tandon Policies

Additional academic policies can be found on the Tandon academic policy page (<https://bulletins.nyu.edu/undergraduate/engineering/academic-policies/>).