

Engineering Program

Virtual Advising & Registration

CAS x Tandon Dual Degree Program

- The CAS x Tandon dual degree program is a five year program in which students earn both a Bachelor of Science degree from the College of Arts and Science and a Bachelor of Science degree from the Tandon School of Engineering.
- Our offered degree combinations are:
 - B.S. in biology/B.S. in chemical and biomolecular engineering
 - B.S. in chemistry/B.S. in chemical and biomolecular engineering
 - B.S. in computer science/B.S. in computer engineering or electrical engineering
 - B.S. in mathematics/B.S. in civil, computer, electrical, or mechanical engineering
 - B.S. in physics/ B.S. in civil, computer, electrical, or mechanical engineering

Admissions

- Students apply to the CAS x Tandon program while in high school and are admitted specially to the program
- Students who did not apply to the dual degree program while in high school can indicate their interest in the CAS Advising Portal to get connected with us during the summer virtual advising and registration process.
- Due to the structure of the program, students should start working towards the requirements in their first semester. Please consult with your CAS advisor for course recommendations.

Biology or Chemistry Majors

Fall Term:

- Expository Writing course (EXPOS-UA) or first-year seminar course (FYSEM-UA)
- General Chemistry I & Lab (CHEM-UA 125)
- Principles of Biology I (BIOL-UA 11)
- Calculus I (MATH-UA 121) or higher-level course if eligible*
 - Cohort Meeting (COHRT-UA 10): 0-credit biweekly first-year student meeting

*If you receive a suitable score on certain high school exams (AP, IB HL, or A Level), you may be exempt from certain course requirements for engineering and may be able to enroll in higher level coursework: <http://cas.nyu.edu/academic-programs/bulletin/policies/admission>

Computer Science Major

Fall Term:

- Expository Writing course (EXPOS-UA), or first-year seminar course (FYSEM-UA)
- Calculus I (MATH-UA 121) or higher-level course if eligible*
- [Core Curriculum course](#) (CORE-UA)
- Introduction to Computer Science (CSCI-UA 101) or lower/higher-level course, based on placement[^]
 - Cohort Meeting (COHRT-UA 10): 0-credit biweekly first-year student meeting

*If you receive a suitable score on certain high school exams (AP, IB HL, or A Level), you may be exempt from certain course requirements for engineering and may be able to enroll in higher level coursework:

<http://cas.nyu.edu/academic-programs/bulletin/policies/admission>

[^] Most students will start the Computer Science major sequence with [CSCI-UA 101, Introduction to Computer Science](#). Some students need preparatory courses before beginning the major; others will have advanced placement credit or transfer credit that enables them to skip certain courses in the major sequence. [You can read more about Computer Science course placement here.](#)

Mathematics or Physics Majors

Fall Term:

- Expository Writing course (EXPOS-UA) or first-year seminar course (FYSEM-UA)
- Calculus I (MATH-UA 121) or higher-level course if eligible*
- Physics I & Lab (PHYS-UA 91 & PHYS-UA 71) or higher-level course if eligible*
- Introduction to Computer Science (CSCI-UA 101) or lower/higher-level course, based on placement^ for Computer Engineering students OR [Core Curriculum course](#) (CORE-UA) for non-Computer Engineering students
 - Cohort Meeting (COHRT-UA 10): 0-credit biweekly first-year student meeting

*If you receive a suitable score on certain high school exams (AP, IB HL, or A Level), you may be exempt from certain course requirements for engineering and may be able to enroll in higher level coursework: <http://cas.nyu.edu/academic-programs/bulletin/policies/admission>

Additional Advising Notes

- Engineering students are exempt from the Core Foreign Language Requirement. Should students choose to no longer pursue the dual degree program at any point, they will then be required to complete the Core Foreign Language Requirement.
- Writing the Essay can be taken during the fall or spring semester of your first year. Writing for Exploration (WREX-UF 101), International Writing Workshop I (EXPOS-UA 4), and International Writing Workshop: Introduction (EXPOS-UA 3) should be taken in the fall semester. If you're unsure as to which writing course to take, speak with your CAS advisor!
- **For Mathematics, Physics, & Computer Science dual degree majors:** When taking Physics coursework, students should take the PHYS-UA 91 & 71 sequence of Physics, and not General Physics (PHYS-UA 11)

Next Steps

- During your virtual advising period, your CAS academic advisor will help you choose the right courses to pursue the dual degree program. Your course schedule will be based on your high school coursework and, if applicable, certain exam scores (AP, IB HL, A Level). Calculus and Computer Science placement exams will also be available throughout the summer and before the start of the fall semester.
- The dual degree program staff will contact students interested in/accepted to the program with additional information about the program and fall course registration. During CAS Orientation, we will accept interested students who did not opt-in to the program earlier in the summer.

Contact Information

<http://cas.nyu.edu/engineering>

Dual Degree Program Staff

CAS Dual Degree Administrator

Melissa Nathanson (melissa.nathanson@nyu.edu)

Associate Director, Transfer Student Advising

Look out for upcoming communications, along with an Engineering information session during CAS Orientation. We look forward to meeting you!