

# Engineering Program

Virtual Advising and Registration

# Engineering Degrees

- Five year dual-degree program in which students earn a Bachelor of Science degree from the College of Arts and Science and a Bachelor of Science degree from NYU's Tandon School of Engineering.
- 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 program while in high school and are admitted specially to the program
- Students who are interested in the program **must** notify their CAS Academic Advisor **and**, if possible, indicate this in the CAS Portal. Finally, please **fill out** this [Dual Degree Interest Form](http://goo.gl/forms/X522BfeLAJ).  
<http://goo.gl/forms/X522BfeLAJ>
- Students who wish to apply for the program during the summer or the fall semester may do so starting the week before classes begin during CAS Orientation and Welcome Week 2019.

# Biology Major

## Fall Term:

- First-Year Seminar (FYSEM-UA ---) OR EXPOS-UA 1 (Writing the Essay: Science)
  - Cohort Meeting (COHRT-UA 10)
- General Chemistry I (CHEM-UA 125)
- Principles of Biology I (BIOL-UA 11)
- Calculus I (MATH-UA 121)\*

\*If you receive a suitable score for advanced standing credit on an advanced standing exam, you may be exempt from the Calculus and Physics I requirement for engineering and may be able to enroll in a higher level course:

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

Also, see Core website for program component and course descriptions:

<http://cas.nyu.edu/core.html>

## NOTE:

- Engineering students are exempt from the Core Foreign Language Requirement.
- Writing the Essay can be taken during the fall or spring semester of your first year.
- For course descriptions and syllabi, see the Expository Writing website:  
<http://cas.nyu.edu/ewp/ewp-courses/course-descriptions.html>

# Chemistry Major

## Fall Term:

- First-Year Seminar (FYSEM-UA ---) or EXPOS-UA 1 (Writing the Essay: Science)
  - Cohort Meeting (COHRT-UA 10)
- General Chemistry I (CHEM-UA 125)
- Calculus I (MATH-UA 121)\*
- Core Curriculum course\*\* OR Expository Writing course (EXPOS-UA ---)
  - Texts & Ideas (CORE-UA 4--) or Cultures & Contexts (CORE-UA 5--)

\*If you receive a suitable score for advanced standing credit on an advanced standing exam, you may be exempt from the Calculus and Physics I requirement for engineering and may be able to enroll in a higher level course:

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

\*\*See Core website for program component and course descriptions: <http://cas.nyu.edu/core.html>

## NOTES:

- Engineering students are exempt from the Core Foreign Language Requirement.
- Writing the Essay can be taken during the fall or spring semester of your first year.
- For course descriptions and syllabi, see the Expository Writing website:  
<http://cas.nyu.edu/ewp/ewp-courses/course-descriptions.html>

# Computer Science Major

## Fall Term:

- First-Year Seminar (FYSEM-UA ---)
  - Cohort Meeting (COHRT-UA 10)
- Calculus I (MATH-UA 121)\*
- Physics I & Lab (PHYS-UA 91 & PHYS-UA 71) OR Core Curriculum course\*\* (CORE-UA ---) OR Expository Writing course (EXPOS-UA ---)
- Intro to Computer Science (CSCI-UA 101)\* (students without programming experience take Introduction to Computer Programming: CSCI-UA 2)

\*If you receive a suitable score for advanced standing credit on an advanced standing exam, you may be exempt from the Calculus, Intro to Computer Science and Physics I requirement for engineering and may be able to enroll in a higher level course:

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

\*\*See Core website for program component and course descriptions:

<http://cas.nyu.edu/core.html>

## NOTES:

- Engineering students are exempt from the Core Foreign Language Requirement.
- Writing the Essay can be taken during the fall or spring semester of your first year.
- For course descriptions and syllabi, see the Expository Writing website:  
<http://cas.nyu.edu/ewp/ewp-courses/course-descriptions.html>

# Mathematics and Physics Majors

## Fall Term:

- First-Year Seminar (FYSEM-UA ---) OR EXPOS-UA 1 (Writing the Essay: Science)
  - Cohort Meeting (COHRT-UA 10)
- Calculus I (MATH-UA 121)\*
- Physics I & Lab (PHYS-UA 91 & PHYS-UA 71)\*
- Core Curriculum course\*\* OR Expository Writing course (EXPOS-UA ---)
  - Texts and Ideas (CORE-UA 4---) or Cultures and Contexts (CORE-UA 5--)

\*If you receive a suitable score for advanced standing credit on an advanced standing exam, you may be exempt from the Calculus, Intro to Computer Science and Physics I requirement for engineering and may be able to enroll in a higher level course:

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

\*\*See Core website for program component and course descriptions:

<http://cas.nyu.edu/core.html>

## NOTES:

- Engineering students are exempt from the Core Foreign Language Requirement.
- Writing the Essay can be taken during the fall or spring semester of your first year.
- For course descriptions and syllabi, see the Expository Writing website:  
<http://cas.nyu.edu/ewp/ewp-courses/course-descriptions.html>

# Academic Advising

- Your assigned academic advisor will help you choose the right courses, which will be based on your high school record and possible Advanced Placement (AP) Test scores. Some placement exams will also be available for Calculus and Computer Science during Welcome Week.
- The Dual Degree Program staff will contact students accepted into the program, and those who express interest, with additional information and will assist your advisor in helping you register for classes. The staff will accept applications during Welcome Week as noted in the Admissions section above.



# Additional Information

For More Information:

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

**Dual Degree Program Staff**

CAS Dual Degree Administrator

Associate Director of Engineering and Transfers

Tyrell Davis - Tyrell.Davis@nyu.edu

CAS Dual Degree Program Director

Clinical Professor of Chemistry

John Halpin - John.Halpin@nyu.edu