Prehealth

Virtual Advising & Registration
Considering a Health Career?

- Prehealth advisors work with you to design a plan that combines your career aspirations, undergraduate pursuits, and personal strengths so that you can put forward your best application to a program in the health professions.

- We encourage you to use the resources on the next few pages to better understand the academic components of the “prehealth curriculum” at NYU.
Required Curriculum: Medicine & Dentistry

To meet the entrance requirements for the majority of medical and dental programs in the US, we recommend that you complete the following courses:

- General Chemistry I and II, plus Labs
- Organic Chemistry I and II, plus Labs
- Principles of Biology I and II and appropriate Lab
- General Physics I and II
- Math (Calculus I or higher)
- Writing the Essay, plus one additional course in Expository Writing or English
If you are considering a career as an Allopathic (MD), Osteopathic (DO), or Podiatric physician, please be aware that the Medical College Admissions Test (MCAT) began to cover new material starting in 2015.

Applicants will be expected to possess and demonstrate academic competence in the following areas prior to taking the MCAT:

- **Inorganic Chemistry**
  - *NYU Course(s):* General Chemistry
- **Biology**
  - *NYU Course(s):* Principles of Biology
- **Organic Chemistry**
  - *NYU Course(s):* Organic Chemistry
- **Physics**
  - *NYU Course(s):* General Physics
- **Calculus**
  - *NYU Course(s):* Calculus I
- **Biochemistry**
  - *NYU Course(s):* Biochemistry
- **Psychology/Sociology**
  - *NYU Course(s):* Variable
- **Statistics**
  - *NYU Course(s):* Principles of Biology, variable
Looking Ahead: **MCAT 2015**

If you intend to apply to medical schools the summer after your junior year — for entrance into a medical school the fall immediately after graduation — you will need to design your curriculum to incorporate all of these competency areas into your first three years at NYU.

You may want to consider taking the MCAT and applying after your senior year to allow for a stronger application and enhanced scheduling flexibility.
Choosing a Major

Major in what interests you

- Health professional schools do not require that you major in a science to be admitted.

- Choosing a major that reflects your strengths and interests is critically important, as you will be more successful in courses where you genuinely engage with the material. Schools of the health professions accept students with broad academic experiences within and outside the sciences.
Recommended Courses for First-Year Prehealth Students

- The next few pages illustrate the recommended courses for first-year students considering a health career after graduation.

- Some students will work out slightly different programs with their advisors if necessary.
Assessing Where to Start

- **AP Credit**
  - Prehealth students with AP credit in Biology, Chemistry, or Physics are advised to forfeit the credit and complete the required science coursework at the NYU.

- **Calculus Readiness**
  - Refer to the other sections of this orientation for a reminder on how AP scores, SAT scores, and placement exams are used to assess your calculus and pre-calculus preparation.

- **Advising**
  - Your assigned advisor will help you select courses that match your prehealth goals, level of preparation, and interests in a specific major/discipline.

*An advising session is a dialogue – we encourage you to be informed and prepared*
Undecided/Non-Science Major

- **Calculus Ready**
  - Freshman Seminar (FRSEM–UA)
    - Cohort Meeting
  - General Chemistry I (CHEM–UA 125)
  - Calculus I (MATH–UA 121)*
  - Core Course**
    - Expository Writing (EXPOS–UA); Foreign language (e.g. Spanish for Beginners 1: SPAN–UA 1); Texts and Ideas (CORE–UA); or Cultures and Contexts (CORE–UA)

- **Not Calculus Ready** (student needs Algebra & Calculus – To learn more about Calculus placement and if you are Calculus ready, go to the CAS Math website)
  - Freshman Seminar (FRSEM–UA)
    - Cohort Meeting
  - Core Course**
    - Foreign language (e.g. Spanish for Beginners 1: SPAN–UA 1);
  - Algebra and Calculus (MATH–UA 9)*
  - Core Course**
    - Expository Writing (EXPOS–UA); Texts and Ideas (CORE–UA); or Cultures and Contexts (CORE–UA)

*Students who receive college credit based on an advanced placement program/exam (e.g. AP, IB, A Level) may be able to enroll in a higher level math course (required for Chemistry, Physics, and Math majors). See the CAS bulletin for details and discuss with adviser: [http://bulletin.cas.nyu.edu/page/admission#ape](http://bulletin.cas.nyu.edu/page/admission#ape)

**Note**: Even if you receive AP/IB/other advanced standing credit for science courses, you will have to repeat the sciences as part of the prehealth and/or science major curriculum at NYU.

**See Core website for program components and course descriptions: [http://core.cas.nyu.edu/page/home](http://core.cas.nyu.edu/page/home)
Biology Major

- Freshman Seminar (FRSEM-UA)
  - Cohort Meeting
- General Chemistry I (CHEM-UA 125)
- Principles of Biology (BIOL-UA 11)
- Calculus I (MATH-UA 121)* or Core Course**
  - Foreign language (e.g. Spanish for Beginners 1: SPAN-UA 1);
  - Expository Writing (EXPOS-UA);
  - Texts and Ideas (CORE-UA); or
  - Cultures and Contexts (CORE-UA)

*Students who receive college credit based on an advanced placement program/exam (e.g. AP, IB, A Level) may be able to enroll in a higher level math course (required for Chemistry, Physics, and Math majors). See the CAS bulletin for details and discuss with adviser: http://bulletin.cas.nyu.edu/page/admission#ape

Note: Even if you receive AP/IB/other advanced standing credit for science courses, you will have to repeat the sciences as part of the prehealth and/or science major curriculum at NYU.

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Chemistry or Biochemistry Major

- Freshman Seminar (FRSEM-UA)
  - Cohort Meeting
- General Chemistry I (CHEM-UA 125)
- Calculus I (MATH-UA 121)*
- Core Course**
  - Foreign language (e.g. Spanish for Beginners 1: SPAN-UA 1);
  - Expository Writing (EXPOS-UA);
  - Texts and Ideas (CORE-UA); or
  - Cultures and Contexts (CORE-UA)

*Students who receive college credit based on an advanced placement program/exam (e.g. AP, IB, A Level) may be able to enroll in a higher level math course (required for Chemistry, Physics, and Math majors). See the CAS bulletin for details and discuss with adviser: http://bulletin.cas.nyu.edu/page/admission#ape

**Note: Even if you receive AP/IB/other advanced standing credit for science courses, you will have to repeat the sciences as part of the prehealth and/or science major curriculum at NYU.

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Neural Science Major

- Freshman Seminar (FRSEM-UA)
  - Cohort Meeting
- General Chemistry I (CHEM-UA 125)
- Principles of Biology (BIOL-UA 11)
- Calculus I (MATH-UA 121)* or Core Course**
  - Foreign language (e.g. Spanish for Beginners 1: SPAN-UA 1);
  - Expository Writing (EXPOS-UA);
  - Texts and Ideas (CORE-UA); or
  - Cultures and Contexts (CORE-UA)

*Students who receive college credit based on an advanced placement program/exam (e.g. AP, IB, A Level) may be able to enroll in a higher level math course (required for Chemistry, Physics, and Math majors). See the CAS bulletin for details and discuss with adviser: [http://bulletin.cas.nyu.edu/page/admission#ape](http://bulletin.cas.nyu.edu/page/admission#ape)

**Note: Even if you receive AP/IB/other advanced standing credit for science courses, you will have to repeat the sciences as part of the prehealth and/or science major curriculum at NYU.

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Physics Major

- Freshman Seminar (FRSEM-UA)
  - Cohort Meeting
- General Chemistry I (CHEM-UA 125)
- Physics I (PHYS-UA 91) and Lab (PHYS-UA 71)*
- Calculus I (MATH-UA 121)** or Core Course***
  - Foreign language (e.g. Spanish for Beginners 1: SPAN-UA 1);
  - Expository Writing (EXPOS-UA);
  - Texts and Ideas (CORE-UA);
  - Cultures and Contexts (CORE-UA)

*Physics Majors take Physics I, Physics II, and Physics III. Prehealth physics majors must complete Physics I - III (with labs) to be adequately prepared for the MCAT and meet medical school requirements.

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Preprofessional Advising Center: Advising

- New students are assigned a professional academic advisor who will continue to be their primary advisor until a major is declared.

- Most likely, you will be assigned an advisor outside of the Preprofessional Advising Center despite your interest in a health profession. However, professional advisors make referrals to College and University resources and support services whenever necessary.

- NYU students are not assigned a “preprofessional advisor.” This means you will have the flexibility and freedom to meet with any member of the Preprofessional Advising team.
Preprofessional Advising Center: Programming

The Preprofessional Advising staff offers workshops and programs throughout the academic year to assist you in preparing for a career in the health professions.

Our student Prehealth Advisory Board (PHAB) also sponsors programming with our office and we welcome and value student input.

Check out our prehealth calendar of events to see the types of programs that we run during the academic year.
Preprofessional Advising Center: Connecting with Us

- Our email listserv will keep you up-to-date on office announcements, volunteer opportunities, research positions, and community service projects.
  - All students who check the “prehealth” box during the CAS advising process will be automatically added to the prehealth listserv.

- Watch our [prehealth overview webinar](#) to learn more!
- Email: [prehealth@nyu.edu](mailto:prehealth@nyu.edu)
- Phone: 212–998–8160