This dual degree program in Clinical Research and Biomaterials is designed to train professionals for careers in the biomedical device and clinical trials fields. It comprises two major components, each of which consists of a single-year Master’s program that can also be taken separately: the Master’s Program in Biomaterials Science, and the Master’s Program in Clinical Research.

Taken together, the Biomaterials program will provide students with the training needed to be of value to companies developing medical devices ranging from dental restorations to total joint replacements to bone grafting materials, as well as companies in the tissue engineering field. The Clinical Research program will provide students with the training needed to clinically test medical devices, medications, diagnostics, and medical treatments, and to be of value to companies engaged in this development work.

In addition to the core requirements, students have the option to add courses in entrepreneurial development and intellectual property development through the Tandon School of Engineering or pursue an independent research project. The structure of the program allows the student to complete the program by completing the required courses of both programs. Overall, the dual MS/MS program can be completed with a minimum of 49 credits or a maximum of 57 credits. Completed individually, both programs combined entail 60 credits. The dual MS/MS program thus represents a significant cost savings opportunity for students.

The combined program will be an excellent launch pad for students who would like to enter the exciting and rapidly expanding combined fields of clinical research, medical device development, tissue engineering, and entrepreneurship. Students completing this combined program will graduate with an impressive level of comprehensive training in the science of biomaterials and clinical research.
### CURRICULUM REQUIREMENTS

The dual MS/MS in Clinical Research and Biomaterials is a two-year full-time program. The minimum course requirements include 49 credits and must be taken by all students enrolled in the program, as shown below:

#### FALL // Year 1
- Principals of Biomaterials (3 credits)
- Fundamentals of Clinical Trials (3 credits)
- Federal Regulations/Agencies (2 credits)
- Biostatistics (3 credits)

#### JANUARY TERM // Year 1
- Evidence-Based Medicine (3 credits)

#### SPRING // Year 1
- Polymers and Biopolymers (3 credits)
- Data Management (2 credits)
- Scientific Writing (3 credits)
- Metal and Ceramic Biomaterials (3 credits)

#### FALL // Year 2
- Introduction to Research (2 credits)
- Epidemiology (3 credits)
- Biomaterials-Tissue Interface I (3 credits)
- Clinical Research Practicum I (3 credits)
- Independent Project in Biomaterials (2 credits)

#### SPRING // Year 2
- Biomaterials-Tissue Interface II (3 credits)
- Clinical Trials II (3 credits)
- Bioethics and IRB (2 credits)
- Clinical Research Practicum II (3 credits)

### ELECTIVES

In addition to the core course requirements as listed above, students are able to enroll and complete additional credits from a list of electives, as shown below:

- Imaging Science (4 credits)
- Introduction to Electron Microscopy (3 credits)
- Physical & Chemical Method (3 credits)
- Research in Biomaterials (3 credits)
- Readings in Biomaterials/Biomimetics (1 credit)
- Integrative Seminars in Oral Biology (3 credits)

To learn more and to apply, visit: [http://dental.nyu.edu/academicprograms/masters-degree-programs](http://dental.nyu.edu/academicprograms/masters-degree-programs)

Application deadline: July 1st for Fall admission

*Early application is encouraged to ensure that space in the program is available.*