

MEDICAL SCIENCES (MA)

The Master of Arts in Medical Sciences program is a special master's program (SMP) that prepares students to build a compelling medical school application. MAMS is a record enhancement program and not a career changer program, and as such, all pre-medical prerequisites must be completed. Our graduate post-baccalaureate is known for the rigor and quality of our coursework leading to a master's degree. Also, we have a long-term commitment to advising our students and assisting them at every stage of the medical school application process. We are dedicated to promoting the personal and professional development of each student, facilitating their entry and assuring their future success in Medical School. We maintain a student-centered, non-competitive environment that allows each student to capitalize on their strengths as they build their medical school credentials. We are guided by the Jesuit values of "seeking knowledge in the service of humanity; preparing to live in a shared, global community; and building on the desire to always do and become more."

In support of our mission, Loyola's MAMS program:

- Provides students with a high-quality educational experience from dedicated faculty recruited from some of the best medical schools in the US.
- Offers substantial office hours contact with faculty.
- Provides premedical advising upon entry to the program, through post-graduation, on every aspect of a student's medical school application. Students enjoy a full-time pre-medical advisor who works solely with MAMS students.
- Provides support for medical school applications with letters of recommendation.
- Fosters an active community in which students support each other through collaborative learning and group study.
- Facilitates access to Chicago-area hospitals and clinics with opportunities to work with underserved populations, sensitizing students to social justice issues, especially regarding the availability of medical care.
- Offers professional development seminars to familiarize students with individual medical schools, to strengthen their medical school applications, and to discuss ethical issues and social justice efforts with experts in the field.
- Values diversity in our student, professional and social communities.

Curriculum

To receive the MA in Medical Sciences degree, students must complete 30 credit hours in a curriculum drawn each year from courses listed below. However new courses are added on a routine basis and students should confirm course selections with their MAMS advisor.

Courses

| Code | Title | Hours |
|----------|-------------------------------------|-------|
| BIOL 401 | Medical Literature and Ethics | 3 |
| BIOL 408 | Writing for the Medical Professions | 3 |
| BIOL 409 | Advanced Genetics | 3 |
| BIOL 410 | Advanced Cell Biology | 3 |
| BIOL 413 | Advanced Immunology | 3 |
| BIOL 452 | Human Anatomy and Physiology I | 3 |
| BIOL 453 | Human Anatomy and Physiology II | 3 |

| | | |
|--------------------|-----------------------|-----------|
| BIOL 455 | Advanced Neuroscience | 3 |
| BIOL 466 | Advanced Biochemistry | 3 |
| BIOL 495 | Special Topics | 3 |
| Total Hours | | 30 |

Suggested Sequence of Courses

The below sequence of courses is meant to be used as a suggested path for completing coursework. An individual student's completion of requirements depends on course offerings in a given term as well as the start term for a major or graduate study. Students should consult their advisor for assistance with course selection.

| Course | Title | Hours |
|--------------------|-------------------------------------|-----------|
| Year 1 | | |
| Fall | | |
| BIOL 401 | Medical Literature and Ethics | 3 |
| BIOL 409 | Advanced Genetics | 3 |
| BIOL 410 | Advanced Cell Biology | 3 |
| BIOL 452 | Human Anatomy and Physiology I | 3 |
| BIOL 455 | Advanced Neuroscience | 3 |
| Hours | | 15 |
| Spring | | |
| BIOL 408 | Writing for the Medical Professions | 3 |
| BIOL 413 | Advanced Immunology | 3 |
| BIOL 453 | Human Anatomy and Physiology II | 3 |
| BIOL 466 | Advanced Biochemistry | 3 |
| BIOL 495 | Special Topics | 3 |
| Hours | | 15 |
| Total Hours | | 30 |

Graduate & Professional Standards and Regulations

Students in graduate and professional programs can find their Academic Policies in Graduate and Professional Academic Standards and Regulations (<https://catalog.luc.edu/academic-standards-regulations/graduate-professional/>) under their school. Any additional University Policies supercede school policies.

Learning Outcomes

By completing the program and implementing advice received from the program, students will have strengthened their medical school candidacy by demonstrating to medical schools that:

1. They can succeed in rigorous science courses
2. They can secure and maintain a volunteer position in a hospital or clinic
3. They embody the characteristics of professionalism and leadership necessary in the medical profession.