

# HEALTH SCIENCES PROGRAM



*“Science can purify religion from error and superstition. Religion can purify science from idolatry and false absolutes.”*

- Pope John Paul II

The Health Sciences Program is a selective and comprehensive course of study that concentrates on the Health Sciences. It includes both curricular and extracurricular work with both in-classroom and out-of-classroom assignments. It culminates in a Certificate of Completion at the end of a student's senior year. The program's coursework requires:

- **Freshman Year:** Biology or Honors Biology – accelerated instruction with an emphasis on anatomy and physiology and basic medical terminology
- **Sophomore Year:** Honors Chemistry – accelerated instruction with an introduction to organic chemistry and biochemistry
- **Junior Year:** AP Biology or AP Chemistry or Anatomy & Physiology (AP Biology recommended)
- **Senior Year:** Physics plus Anatomy Physiology or AP Biology or AP Chemistry

The extracurricular coursework begins freshman year and includes lectures by world-class physicians from the Cleveland Clinic, University Hospitals, and MetroHealth Medical Center. Students will have the chance to volunteer and shadow at area hospitals and observe cadaver dissections at local universities. In the summers after sophomore or junior year there will be some opportunities for summer biomedical research at Case-Western University and the Cleveland Clinic Foundation.

The **Pre-Med Society** is an extracurricular club that is open to all students who are interested in the Health Sciences and offers most of the same extracurricular opportunities present in the Health Sciences Program.

The club meets after school or during the activities period 2–3 times a month. Interested club members who satisfy the above Health Sciences Program requirements will also receive a Certificate of Completion at the end of their senior year.

## Program Requirements

In addition to the curricular coursework, requirements for keeping in good standing and obtaining the Certificate of Completion for the Sciences Program include:

- Regular attendance at club meetings
- A minimum attendance of three presentations of the Speaker Series on an annual basis
- Fifteen hours of both volunteer and clinical time completed prior to the start of the second semester of the student's senior year

