



## CLINICAL LABORATORY SCIENCE MAJOR

Data analyzed in medical labs affect more than 70 percent of medical decisions. Clinical laboratory scientists analyze blood and other specimens to identify strains of infectious diseases, anemias, the presence of toxic substances, and more. Using their expertise, knowledge, laboratory skills and ability to collect and analyze data, clinical laboratory science graduates are a key contributor to the diagnosis and management of disease.

### Freshman Year

#### Professional Issues in Clinical Laboratory Science

General Biology 1

General Chemistry 1

MCC Foundations in Rhetoric

MCC Foundations in Theology

General Biology 2

General Chemistry 2

Statistics

MCC Foundations in Philosophy

MCC Engaging Social Systems and Values 1

### Sophomore Year

#### Concepts in Clinical Lab Medicine

Organic Chemistry 1

MCC Foundations in Methods of Inquiry

MCC Discovery – Humanities

General Elective

Biochemistry for the Health Professions

Principles of Human Anatomy and Physiology

MCC Discovery – Natural Science and Math

MCC Discovery – Elective

### Junior Year

#### Medical Bacteriology

#### Clinical Chemistry & Concepts 1

MCC Discovery – Social Sciences

General Elective

Medical Ethics

#### Medical Microbiology

#### Clinical Chemistry & Concepts 2

#### Clinical Hematology 1

MCC Culminating Course

### Senior Year

*(Senior year includes clinical practicum phase consisting of 24 weeks)*

#### Clinical Education Methods & Practicum

#### Clinical Management Concepts & Practicum

#### Clinical Chemistry and Practicum

#### Clinical Hematology 2 and Practicum

#### Clinical Hemostasis and Practicum

#### Clinical Immunohematology and Practicum

#### Clinical Immunology and Serology and Practicum

#### Clinical Microbiology and Practicum

#### Clinical Urinology and Practicum

MCC = Marquette Core Curriculum (required of all MU students)

### Why Clinical Laboratory Science at Marquette University

- **Guaranteed clinical placement.** All students complete a six-month clinical placement in one of the respected hospitals or large clinics located just minutes from campus – a great advantage for successful completion of the certification exam.
- **High job placement/demand.** There is a critical national shortage in this field. Nearly 100% of graduates are employed in the field before graduation. Many take positions in clinical, hospital and research laboratories. This major is also excellent preparation for medical, law, dental and other graduate/professional schools.
- **Learn from the pros.** All major courses are taught by professors and instructors who are certified clinical laboratory scientists, not teaching assistants.
- **Great foundation for Pre-med.** If you are considering a career in medicine, this major can help you become a more complete doctor. With your preparation for professional lab work, you'll be a physician who knows how to order the right tests and readily interpret the results.
- **Pass with flying colors.** Ninety-five percent of our graduates pass the certification exam on the first try, well above the national average of 80%.