

Medical Laboratory Sciences

Clinical Laboratory Sciences is now Medical Laboratory Sciences!



Want to learn more about a great career in medical science? Do you enjoy laboratory science? Do you have an eye for detail? Medical laboratory scientists (MLS) play a crucial role in the diagnosis, treatment and management of patients. They are the third largest medical profession (after doctors & nurses). Medical laboratory scientists perform complex testing using sophisticated instruments to detect diseases and monitor treatment. Approximately 75% of medical decisions, diagnosis, treatment and evaluations, are based on the interpretations of laboratory testing results.

We have a great course that introduces students to our major and the career options available to them after graduation.

MLSP 1010 Introduction to Medical Laboratory Sciences, 1 credit.

(1.0 cr; S-N only, fall, spring, summer, every year; online)

This course explores the primary disciplines in the field as well as areas of specialty practice. Career pathways are explored in hospital laboratories, public health, and research as well the MLS major as a foundation for graduate or professional schools.

OTHER MLSP SPRING & SUMMER COURSES



MLSP 5011W - Professional Issues in the Health Care Community (WI)

(2.0 cr; A-F only, spring, summer, every year)

History, disciplines, scope of practice, regulatory/licensure issues, medical ethics, inter-professional practice. Introduction to basic education theory, instructional design for laboratory practitioners.

MLSP 5311 - Fundamental Biomedical Laboratory Techniques

(4.0 cr; Prereq-8 credits General Chemistry, 6 credits Organic Chemistry, 3 credits Biochemistry; A-F only, spring, summer, every year)

Principles of good laboratory practice, experimental design/standard operating procedures, laboratory technical skills, safety, process control. Analytical techniques include colorimetry, chromatography, electrochemical, immunologic, nucleic acid techniques.

MLSP 5511 Principles of Immunobiology.

(3.0 cr; Prereq-PHSL 3051 or equivalent; A-F only, summer, fall, every year)

This course is designed to provide students with an understanding of immune system function in health and disease, immunologic and serologic testing and immunologic techniques utilized in various clinical laboratory settings, distinguish between immunologic abnormalities and their causes and correlate them with clinical information, describe the utilization of immune system products as clinical testing reagents, and distinguish between immunologic testing methods commonly used in a clinical laboratory.

