

Clinical Laboratory Sciences

Bachelor of Science Degree

Contact

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Admission Requirements

(In years as established by the college)

A high school diploma with the following specific courses:

- 4 English
- 2 Algebra I & II
- 1 Geometry
- 2 Lab Science (biology and chemistry or physics)
- 2 History/Social Studies
- Academic electives (to equal at least 17 credits)

To ensure current mathematical skills, students should take a mathematics course during their senior year of high school.

Did You Know?

The combination of three years at UMaine along with the rigorous one-year practicum experience at an affiliated hospital has made it possible for all students who have completed the program to pass the national certification examination and earn their MLS(ASCP), the professional credential for medical technologists. This credential is accepted at hospitals and clinical laboratories throughout the U.S.

College of Natural Sciences, Forestry, and Agriculture

Program Description

Students in the Clinical Laboratory Sciences (CLS) Program prepare for a career in medical technology. Students are on campus for three academic years and then spend their senior year in a 12-month medical center practicum through Eastern Maine Medical Center in Bangor, Maine, or Scott & White Healthcare in Temple, Texas. The practicum is a full-time lecture and laboratory experience that serves as the last year for the CLS degree. Admission to the practicum depends on satisfactory completion of the on-campus portion of the program with a minimum overall GPA of 2.5 and a math/science GPA of 2.5 and acceptance by a medical center program. The medical technology program prepares students to work in diagnostic laboratory medicine, performing the great variety of tests required by physicians in preventative medicine and diagnosing patient illnesses.

Specialized Information

The CLS program has been very successful in preparing students to become medical technologists. All students who completed the program have passed the national exam administered by the American Society of Clinical Pathology and have become certified medical technologists (MLS(ASCP)).

Associated Honor Societies and Student Organizations

Students are encouraged to join the Biology Club. Special recognition includes book awards for top academic performance in each class, the Frank H. Lathrop Award for high achieving students and the Richard C. Wadsworth Annual Memorial Prize.

Career and Graduate Opportunities

Graduates work as medical technologists in hospitals or independent medical laboratories, or in forensics, research, industrial and environmental laboratories. Being certified as a medical technologist by the American Society for Clinical Pathology allows individuals to move into management positions. Students also may enter graduate programs in Clinical Laboratory Sciences.

UMaine Graduate Programs

Master of Science in Zoology
Doctor of Philosophy in Zoology
Doctor of Philosophy in Biological Sciences

Representative Courses

BIO 208	Anatomy and Physiology	CHY 122/124	The Molecular Basis of Chemical Change/Laboratory
BMB 280	Introduction to Cell and Molecular Biology	BMB 221/221	Organic Chemistry/Laboratory
BMB 300/305	General Microbiology/Laboratory	BMB 322/322	Biochemistry/Laboratory
BMB 400	Molecular Genetics	BIO 405	Introduction to Clinical Laboratory Methods for Infectious Diseases/Laboratory
BMB 420/421	Infectious Disease/Laboratory	BIO 421	Clinical Laboratory Methods/Laboratory
BMB 440	Immunology	BIO 480/483	Cell Biology/Laboratory
CHY 121/123	Introduction to Chemistry/Laboratory		

About UMaine

The University of Maine, founded in Orono in 1865, is the state's premier public university. It is among the most comprehensive higher education institutions in the Northeast and attracts students from across the U.S. and more than 60 countries. It currently enrolls 12,000 total undergraduate and graduate students who can directly participate in groundbreaking research working with world-class scholars. Students are offered 88 bachelor's degree programs, 64 master's degree programs, 25 doctoral programs and one of the oldest and most prestigious honors programs in the U.S. The university promotes environmental stewardship on its campus, with substantial efforts aimed at conserving energy, recycling and adhering to green building standards in new construction. For more information about UMaine, go online (umaine.edu). Equal opportunity information also is available online (umaine.edu/eo).

How do I apply?

Visit go.umaine.edu for an application, as well as information about academics and life at UMaine.



Academic Programs 2011–12

The latest versions of the UMaine fact sheets are online (factsheets.umaine.edu). This fact sheet is intended for informational purposes only and is subject to change.

