Clinical Laboratory Sciences/Medical Technology

The four-year clinical laboratory sciences & medical technology curriculum leads to the degree of Bachelor of Science in clinical laboratory sciences & medical technology. The first three years are spent at the university. The fourth year is spent at one of the affiliated hospital schools of clinical laboratory sciences/medical technology. Upon successful completion of this year, the BS degree is awarded by the university and graduates are then eligible to take a certifying examination.

Because the clinical laboratory sciences/medical technology curriculum closely parallels that of other majors, such as biology, students from other majors are encouraged to apply.

Admission to Major is granted by the department. Minimum university admission requirements are:
- a minimum of 32 earned semester credit hours.
- a minimum cumulative GPA of 2.00 ("C").
Contact the department for application procedures.

Students should contact the Department of Clinical Laboratory Sciences & Medical Technology early in their college career for admission to the program, for academic and career counseling, and for information on the process and standards for admission to the professional curriculum, including registration procedures. Because enrollment in the fourth year is limited by the size of classes in the affiliated hospital schools, admission to the program does not ensure admission to the fourth year of the curriculum. Admission into the fourth year hospital clinical internship is competitive.

POLICIES/INFORMATION

Students majoring in Clinical Laboratory Sciences & Medical Technology have an advisor from their area of interest assigned to them. Questions and concerns pertaining to advising and the assignment of advisors can be answered by Angie B. Bomier, student relations coordinator, TR125 Trafton Science Center, telephone 389-1521.

GPA Policy. A GPA of 2.0 is required in both sciences courses and cumulative coursework.

Probation. Refer to the College regarding required advising for students on academic probation.

P/N Grading Policy. No P/N grades are accepted toward the major except BIOL 175.

Agencies and clinical site adjunct faculty participating in the Clinical Laboratory Science / Medical Technology program include, but not limited to: Hennepin County Medical Center, Minneapolis, MN, James Fink, M.D., Ph.D, Roberta Montgomery, BS, MLS, MT (ASCP); Mercy College of Health Sciences, Des Moines, IA, Kyla Deibler, MS, MT (ASCP), CLS (NCA); St. Luke's Hospital, Cedar Rapids, IA, Nadine Sojka, MS, MT (ASCP); University of Minnesota, Minneapolis, MN, Patricia Solberg, CLS (NCA), Carol Wells, Ph.D., MT (ASCP); Fairview Health Services, Minneapolis, MN, David Dexter, M.D., Carol McCoy, MT (ASCP); University of Iowa, Iowa City, IA, Judith Kittleson, MT (ASCP); Sanford USD Medical Center, Sioux Falls, SD, Desi Rae M, Muirhead, M.D., Renee Rydell, MBA, MS, MT (ASCP), St. Luke's College, Sioux City, IA., Pam Briese, MS, MT (ASCP), SC., James Queinenberry, M.D. Internship sites are required by law to do background checks on all students admitted to their medical technology / clinical laboratory science programs.
MEDT 414 (1-10) Clinical Microbiology I
Theory and techniques of cultivation, isolation and identification of bacteria, fungi, parasites and viruses; determination of sensitivity to antimicrobial agents; clinical correlation to disease states, asepsis; environmental monitoring; quality control.

MEDT 415 (1-10) Clinical Microscopy I
Theory of renal function in health and disease; renal function tests including chemical and microscopic examination of urine; analysis of fecal specimens, gastric, spinal fluid and other body fluids; quality control.

MEDT 416 (1-10) Clinical Hematology II
A continuation of Clinical Hematology I

MEDT 417 (1-10) Clinical Immunohematology II
A continuation of Clinical Immunohematology I.

MEDT 418 (1-10) Clinical Chemistry II
A continuation of Clinical Chemistry I.

MEDT 419 (1-10) Clinical Microbiology II
A continuation of Clinical Microbiology I.

MEDT 420 (1-10) Clinical Microscopy II
A continuation of Clinical Microscopy I.

MEDT 499 (1-6) Individual Study
Related topics in medical technology.