

## Major in Allied Health leading to a BS degree

### **Concentration In Medical Technology**

Medical technologists perform a variety of tests on blood, tissues, and body fluids using the techniques of hematology, microbiology, immunohematology, clinical chemistry, and urinalysis. They work in conjunction with pathologists, physicians, or scientists in hospital laboratories.

Medical technology students complete 90 semester hours of academic course work including the University Writing Requirement and the Arts and Sciences general education requirements as well as the concentration requirements outlined below. They complete their last 30 semester hours in a one-year, full-time, daytime clinical training program at the Evanston Northwestern Healthcare Corporation Medical Technology/Clinical Laboratory Science Program (see clinical courses for medical technology below). Upon successful completion of the clinical program, students receive a certificate in medical technology from the clinical program, a BS in allied health from the University, and are eligible to sit for ASCP certification. Admission to the clinical training program is at the discretion of the clinical affiliate. Students are not guaranteed admission. Students in clinical training are registered through Roosevelt University.

ASCP certified medical laboratory technicians or students with ASCP-approved equivalent training may be eligible for advanced standing and allowed to complete the BS in allied health. Contact the Department of Biological, Chemical, and Physical Sciences for details.

### **Required courses in the concentration:**

### **Credit Hours:**

Biol 150 Science as a Way of Knowing .....	4
Biol 201 Organismic Biology .....	5
Biol 301 Cellular and Molecular Biology .....	5
Biol 360 Microbiology .....	5
Biol 367 Immunology .....	5
Chem 101 General Chemistry I .....	4
Chem 202 General Chemistry II .....	4
Chem 211 Organic Chemistry I .....	4
Chem 212 Organic Chemistry II .....	4
Math 121 College Algebra .....	3
Math 217 Introduction to Probability and Statistics .....	3
Clinical courses .....	30
General education requirements; University Writing Requirement; electives; professional, education, and administration courses to total ....	120

### **Recommended courses (choose two):**

Badm 101 Introduction to Business .....	3
Badm 202 Introduction to Business Computing .....	3
Cst 100 PC Software Packages .....	3
Cst 101 Overview of Information Technology .....	3
Padm 351 Introduction to Health Sciences .....	3
Phil 334 Biomedical Ethics .....	3
Pos 391 AIDS: Science, Culture, Power .....	3
Soc 339 The Sociology of Death and Dying .....	3
Soc 353 Health, Illness, and Medicine in American Society .....	3

### **Clinical courses in medical technology:**

Alh 310 Orientation to Clinical Laboratory Science

Alh 312 Body Fluids  
Alh 320 Clinical Hematology/Coagulation  
Alh 321 Clinical Microbiology - Virology  
Alh 322 Clinical Chemistry  
Alh 323 Clinical Immunopathology  
Alh 324 Clinical Immunohematology/Transfusion Medicine  
Alh 326 Clinical Microbiology - Parasitology  
Alh 327 Phlebotomy  
Alh 328 Clinical Microbiology - Mycology  
Alh 329 Management and Education