

**UNDERGRADUATE CURRICULUM IN MEDICAL TECHNOLOGY  
DEPARTMENT OF LABORATORY MEDICINE  
SCHOOL OF MEDICINE  
UNIVERSITY OF WASHINGTON  
2010\***

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\*Revised June, 2009. For applications submitted to begin program Autumn Quarter, 2010.

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## MEDICAL TECHNOLOGY

### A. WHAT IS MEDICAL TECHNOLOGY?

Medical Technology (also known as Clinical Laboratory Science) is a challenging and rewarding profession. The role of the Medical Technologist is that of a highly skilled scientist who performs medical laboratory tests on samples from patients. Medical Technologists also analyze problems and evaluate results, based on their theoretical and applied training and experience. Medical Technologists work in large medical centers, hospitals, clinics, research, and teaching programs. This profession can also be an excellent basis for other professional programs such as medicine and dentistry, as well as advanced study in science, business, and health administration. People who enjoy the sciences and find personal satisfaction and intellectual reward in employing scientific methods for the diagnosis, monitoring, and prognosis of a patient's health status are good candidates for this program.

### B. PERSONAL QUALIFICATIONS

The prospective Medical Technologist should have a strong sense of responsibility, compassion for others, and a sincere desire to help provide health care. In addition, men and women who plan to enter medical technology should have scientific curiosity and the capacity to work precisely.

### C. ESSENTIAL FUNCTION STANDARDS FOR ADMISSION AND RETENTION IN THE MEDICAL TECHNOLOGY PROGRAM

#### **Introduction.**

The Department of Laboratory Medicine has a responsibility for the welfare of the patients treated or otherwise affected by students enrolled in the Medical Technology Program, as well as for the welfare of students in the educational programs of the Department. In order to fulfill this responsibility, the Department has established minimal essential requirements that must be met (with reasonable accommodation if necessary) in order to be admitted to the Medical Technology Program, to continue to participate in the program, and to graduate.

The education of a Medical Technologist (MT) requires assimilation of knowledge, acquisition of skills, and development of judgment. The curriculum leading to a Bachelor of Science Degree in Medical Technology from the University of Washington requires students to engage in diverse, complex, and specific experiences necessary for the acquisition of essential skills and functions. Unique combinations of cognitive, affective, psychomotor, physical, and social abilities are required to satisfactorily attain these essential requirements. In addition to being necessary for the successful completion of the Bachelor of Science Degree in Medical Technology, attainment of these essential requirements is necessary to ensure the health and safety of patients, fellow students, faculty, and other health care providers.

Essential requirements necessary for competence in the Medical Technology Program curriculum include, but are not limited to, the following areas: fine and gross motor functions, sensory, communication, emotional maturity, application skills, professional skills, dealing with risk exposure, and attendance. These abilities are in addition to academic standards and have been developed in compliance with the Americans with Disabilities Act (PL101-336) and the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).

**Fine and Gross Motor Functions.** The student should have sufficient motor function in order to execute movements required to provide complete and accurate diagnostic test results. The student must be able to:

- Habitually practice lab safety including selecting and wearing appropriate Personal Protective Equipment (PPE)
- Perform moderately taxing continuous physical work, often requiring prolonged sitting or standing, over several hours.
- Reach laboratory bench tops and shelves, patients lying in hospital beds or patients seated in specimen collection furniture.
- Demonstrate sufficient upper body muscle coordination to practice safe specimen and reagent handling.
- Competently manipulate specimens, manual, and automated instruments necessary to produce accurate diagnostic test results.

**Sensory Skills.** The student must be able to:

- Use sensory skills to acquire and apply information presented through demonstrations and experiences in the basic and clinical laboratory sciences.

**Communication Skills.** The student must be able to:

- Follow verbal and written instructions in order to correctly and independently perform laboratory test procedures.
- Effectively communicate in written and spoken English in order to transmit information to other students, faculty, staff, patients, and other members of the healthcare team.
- Read for comprehension technical and professional materials.
- Work independently to prepare laboratory reports; take paper, computer, and laboratory practical examinations.

**Emotional Maturity.** The student must be able to:

- Adapt to changing and potentially stressful environments.
- Exhibit professional behavior with patients, students, faculty, staff, and other healthcare professionals.
- Examine and change personal behavior when it interferes with productive individual or team relationships.

**Application Skills.** The student must be able to:

- Apply the following cognitive abilities to lab activities requiring: measurement, reasoning, comparison, self-expression, and criticism.
- Work accurately, efficiently, and safely under stress.
- Prioritize tasks.
- Accept responsibility for work performed independently and as a team member.
- Exercise judgment to recognize and correct performance.
- Apply knowledge, skills, and values learned from previous course work and life experiences to new situations.
- Recognize potentially hazardous materials, equipment, and situations to work safely in order to minimize risk of injury to patients, self, and others.
- Consistently practice universal safety precautions in the lab.

**Professional Skills.** The student must be able to:

- Demonstrate professional attributes that include integrity, honesty, responsibility, and tolerance.
- Acknowledge errors or uncertainty.
- Critically evaluate his or her performance, willingly accept criticism, and look for ways to improve.
- Show respect for self and others.
- Arrive at the student laboratory on time, prepared for the lab exercise that day and begin work promptly.
- Call or e-mail in a timely fashion when an illness or emergency delays or prevents arrival in the laboratory.
- Project an image of professionalism through dress, personal hygiene, and grooming.
- Follow HIPAA/Patient Confidentiality policies.
- Make correct judgment(s) in seeking supervision and consultation in a timely manner.

**Risk Exposure.** The student must be able to work safely with the following:

- Organisms that may be infectious.
- Blood and body fluids that may contain infectious agents.
- A wide variety of chemical reagents.

**Attendance.** In the clinical year, the student must be able to attend assigned rotations in the clinical laboratory full time, 40 hours per week, in addition to other academic requirements.

All students in the UW Medical Technology Program must sign an essential requirements signature sheet acknowledging that they can meet these standards. (See required application materials, p. 10)

## C. GRADUATE COMPETENCIES

Graduates of the Medical Technology Program are expected to have in-depth knowledge of the relationships between laboratory data, pathologic processes, and their relevance to clinical medicine. They will have experience with the performance and quality control of routine and specialized medical laboratory testing procedures, and will have an understanding of the theoretical basis of these procedures. In addition, they will have experience trouble-shooting and resolving typical problems in the medical laboratory and will be familiar with laboratory quality assurance, safety, information systems, management, developmental research techniques, teaching methods, and continuing education.

## **BACHELOR OF SCIENCE DEGREE IN MEDICAL TECHNOLOGY**

The Bachelor of Science degree in Medical Technology is granted upon completion of four years of college, or credits comparable to four years of study. During the first two years of college, students at the University of Washington (UW) enroll as premajors in the College of Arts and Sciences, satisfying requirements as listed on pages 4-6. This portion of the course work may also be taken at another college or university. Students enrolled in other institutions must compare the catalog descriptions of these courses to assure equivalent content.

The professional phase of the Medical Technology curriculum begins autumn quarter and continues for seven consecutive quarters at the University of Washington School of Medicine. Admission into the undergraduate Medical Technology program requires separate application to the Medical Technology Program and this must be completed by February 15 for entrance the following autumn quarter. Students selected for admission are enrolled as medical technology majors in the School of Medicine.

The Medical Technology Program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences, 8410 W. Bryn Mawr Avenue, #670, Chicago, Illinois 60631-3415, (312) 714-8880. Graduates are eligible for certification by the Board of Registry of the American Society for Clinical Pathology (ASCP) and by the National Credentialing Agency for Laboratory Personnel, Inc. (NCA).

### **CURRICULUM**

#### **A. PRE-PROFESSIONAL PHASE, COLLEGE OF ARTS AND SCIENCES, UNIVERSITY OF WASHINGTON (UW)**

##### **1. Language Writing and Reasoning Requirements:**

Language:	English composition - 5 credits.
Writing:	Two writing-intensive (W) courses with a minimum of 7 total credits. The seven credits may be either additional English composition courses or "W" courses. W prefix courses are designated as such in the UW Time Schedule each quarter.
Reasoning Skills:	5 credits. The statistics or calculus courses listed on page 5 will satisfy this requirement.

The writing and language requirements indicated above apply to freshmen entering the UW Autumn 1994 or later, or transfer students entering the UW Autumn 1996 or later. Students who entered college prior to these dates may have different requirements. Currently enrolled UW students should contact the Undergraduate Advising Center for further information. Transfer students should contact the student advisor in the Division of Medical Technology if additional information is needed. (Refer to page 12 of this brochure for addresses and telephone numbers.)

##### **2. Areas of Knowledge Requirements:**

Individuals and Societies - 10 credits minimum.  
Visual, Literary and Performing Arts - 10 credits minimum.  
The Natural World - 37 credits.

##### **3. Minimum Credit Requirements for Admission:**

A total of 90 quarter hours or achievement of junior standing is necessary before entering the seven quarter professional phase of the curriculum.

##### **4. Transfer Considerations:**

Students who plan to take their pre-Medical Technology education at another institution should consult with their academic advisor concerning courses that provide subject matter equivalent to the required courses offered at the University of Washington. To see how courses taken at the community colleges will transfer

to the University of Washington, consult the UW course equivalency guide at <http://www.washington.edu/BeforeYouApply/Transfer/Plan/EquivalencyGuide>. Additionally, contact can be made with the student advisor in the Medical Technology Program.

If English is not your native language, you may be required to take an English diagnostic test when you apply for transfer to the University of Washington. The Office of Admissions will inform you of your status. **If you are required to take Academic English Program (AEP) courses, these must be completed before you are eligible to begin the Medical Technology Program.**

5. Specific Program Requirements:

The following courses, or equivalent courses from schools other than the University of Washington (UW), are to be taken for a grade, and they must be completed before entering the professional phase of the curriculum:

**COURSES: CHEMISTRY 142, 152, 162**

**QUARTER CREDITS: 15**

**COURSE DESCRIPTIONS:**

- Chem 142 - General Chemistry Lecture and Laboratory (5 Cr)  
Atomic nature of matter, stoichiometry, periodic table, quantum concepts, and gas laws; introduction to laboratory work, including experiments to illustrate analytic techniques, stoichiometry, and gas laws.
- Chem 152 - General Chemistry Lecture and Laboratory (5 Cr)  
Introduction to chemical bonding and structure, elementary organic and polymer chemistry, inorganic Lewis acids and bases; laboratory experiments to include absorption and emission spectroscopy, separations and elementary organic synthesis.
- Chem 162 - General Chemistry Lecture and Laboratory (5 Cr)  
Introduction to chemical thermodynamics (first and second laws), equilibrium, electrochemistry and kinetics; laboratory experiments in acid-base equilibrium, electrochemistry, thermochemistry, and chemical kinetics.

**COURSES: CHEMISTRY 223, 224**

**QUARTER CREDITS: 8**

**COURSE DESCRIPTIONS:**

- Chem 223 - Organic Chemistry (4 Cr)  
Introduction to structure, nomenclature, reactions, and synthesis of the main functional group families of organic compounds.
- Chem 224 - Organic Chemistry (4 Cr)  
Continuation of the coverage of the main functional group classes of organic compounds. Short introduction to biomolecules: lipids, carbohydrates, amino acids, proteins and nucleic acids.

**Note:** The 3-quarter organic chemistry series (Chem 237, 238, and 239) is also acceptable for meeting this requirement.

**COURSE: STAT 220 OR MATH 124 OR MATH 144**

**QUARTER CREDITS: 5**

**COURSE DESCRIPTIONS:**

- Stat 220 - Basic Statistics (5 Cr)  
Objectives and pitfalls of statistical studies.
- Math 124 - Calculus with Analytic Geometry (5 Cr)  
Differentiation, applications of derivative, integration. Calculus for natural sciences students.
- Math 144 - Calculus for the Biological Sciences (5 Cr)  
Introduction discrete probability, differentiation. Exponential and logarithmic functions, exponential growth, allometry.

**\*BIOLOGY - OPTION 1**

**COURSES: BIOLOGY 180, 200, 220**

**QUARTER CREDITS: 15**

**COURSE DESCRIPTIONS:**

- Biol 180 - Introductory Biology (5 Cr)  
Mendelian genetics, evolution, biodiversity of life forms, ecology, conservation biology
- Biol 200 - Introductory Biology (5 Cr)  
Metabolism and energetics, structure and function of biomolecules, cell structure and function, animal development.
- Biol 220 - Introductory Biology (5 Cr)  
Animal physiology, plant development and physiology.

**\*\*BIOLOGY - OPTION 2 (Some Community Colleges)**

**COURSES: BIOLOGY 201, 202, BIOLOGY 118 OR BIOLOGY 203**

**QUARTER CREDITS: 15**

**COURSE DESCRIPTION:**

- Biol 201 - Introductory Biology (10 Cr)  
& 202 Introduction to phenomena of life for students intending to take advanced biology courses and/or preprofessional programs. Emphasis on features common to all living things: molecular and submolecular phenomena, cell structure, metabolism, and energetics; genetic basis of inheritance; structure, function and development of whole organisms.
- Biol 118 - Survey of Physiology (5 Cr)  
Elementary human physiology.
- Biol 203 - Introductory Biology (5 Cr)  
Principles of botany, ecology/evolution.

**\*\*Note:** Biology 118 can be substituted for Biol 203 where Biol 203 is a botany course. Due to the nature of the medical technology curriculum, Biology 118 Survey of Physiology is the preferred course of these two.

**BIOLOGY 118 – Survey of Human Physiology IS NOW a REQUIRED PREREQUISITE COURSE**

**IMPORTANT: WHICHEVER OPTION YOU CHOOSE, YOU MUST TAKE ALL THREE BIOLOGY COURSES AT THE SAME INSTITUTION.**

6. **Some Suggested UW Electives (these courses are NOT REQUIRED):**

- |  |  |
|--|--|
| Quantitative Analysis (CHEM 321)         | General Microbiology (MICROM 301)            |
| DNA Techniques (MICROM 431)              | Latin and Greek in Current Use (CLAS 101)    |
| Introductory Genetics (GENOME 371)       | Practical Reasoning (PHIL 115)               |
| Human Genetics: Ind. & Soc. (GENOME 351) | Bioscientific Vocabulary Building (CLAS 205) |
| General Anatomy (B STR 301)              | Intro to Pathology (PATH 410)                |
| Medical Ethics (PHIL 242A)               | Biological Safety Practices (UCONJ 420)      |

B. PROFESSIONAL PHASE, SCHOOL OF MEDICINE, DEPARTMENT OF LABORATORY MEDICINE

1. THIRD YEAR REQUIREMENTS:

(A=Autumn Quarter, 13 Cr; W=Winter Quarter, 15 Cr; Sp=Spring Quarter, 11 Cr)

**COURSES: MICROBIOLOGY 441, 442, 443, 444, 445**

**QUARTER CREDITS: 16**

**COURSE DESCRIPTIONS:**

- Micro 441 - Medical Immunology  
Basic immunological concepts. (4 Cr)(A)
- Micro 442 - Medical Bacteriology  
Study of pathogenic bacteria. (3 Cr)(W)
- Micro 443 - Medical Microbiology Laboratory  
Laboratory course coordinated with Micro 442. (3 Cr)(W)
- Micro 444 - Medical Mycology and Parasitology  
Medically important fungi and parasites. Laboratory diagnosis. (4 Cr)(Sp)
- Micro 445 - Medical Virology  
Examination of the biochemical, replication, host-parasite relationships,  
and pathogenesis of animal viruses. (2 Cr)(Sp)

**COURSES: BIOCHEMISTRY 405, 406**

**QUARTER CREDITS: 6**

**COURSE DESCRIPTIONS:**

- Bioc 405 - General Biochemistry  
& 406 Basic principles of biochemistry emphasizing broad understanding of chemical events  
in living systems in terms of metabolism and structure-function relationships of  
biologically important molecules. (3+3 Cr)(A, W)

**COURSES: LABORATORY MEDICINE 322, 321, 418, 427**

**QUARTER CREDITS: 17**

**COURSE DESCRIPTIONS:**

- Lab M 322 - Introduction to Clinical Chemistry  
Lecture-laboratory course covering theoretical and practical concepts associated with  
analytical procedures, techniques, instrumentation, and quality control in clinical  
chemistry. Selected topics in human physiological systems and related diagnostic  
testing in clinical chemistry are discussed. (5 Cr)(A)
- Lab M 321 - Introduction to Clinical Hematology  
Lecture-laboratory course covering the theoretical and practical concepts associated  
with blood cellular morphology, instrumentation, quality control, and selected  
hematological diagnostic studies. (6 Cr)(W)
- Lab M 418 - Topics in Clinical Chemistry  
Continuation of Lab M 322. Lecture and laboratory exercises covering fundamentals  
of instrumentation and methodology in the clinical chemistry laboratory. (5 Cr)(Sp)
- Lab M 427 - Selected Studies in Laboratory Medicine  
Lecture course covering an overview of the field of Medical Technology, including  
interpersonal communication, professional behavior, safety, critical thinking skills,  
and cultural diversity (1 Cr) (A)

2. **FOURTH YEAR REQUIREMENTS:**

- a. The fourth year is composed of a four-quarter program of study which begins in summer quarter. Laboratory Medicine 419, 420, 421 and 426 are lecture/student laboratory courses.

**SUMMER QUARTER**

**COURSES: LABORATORY MEDICINE 421, 426**

**QUARTER CREDITS: 12**

**COURSE DESCRIPTIONS:**

Lab M 421 - Medical Microbiology

Lecture-laboratory course covering infections of various organ systems and procedures used in a clinical microbiology laboratory to identify the etiologic agents of human infections. (6 Cr)

Lab M 426 - Clinical Immunohematology

Lecture-laboratory course covering blood bank theory and serological procedures. Principles of immunology and genetics are reviewed as they relate to the techniques and diagnostic tests used in blood banking. Quality control and quality assurance are discussed as they relate to transfusion medicine. (6 Cr)

- b. The balance of the fourth year curriculum is clinical. The major training sites are the University of Washington Medical Center (UWMC) and Harborview Medical Center (HMC). The UWMC is a modern 450 bed institution with approximately 16,500 admissions a year. In addition to providing the full range of medical care, it is a regional resource for many specialty areas including neonatal intensive care; bone marrow, heart, lung, kidney, liver, and pancreas transplant programs; a Regional Heart Center; and state-of-the-art diagnosis and treatment for cancer patients. HMC is another University of Washington hospital with 413 beds and approximately 18,500 admissions a year. It is the regional trauma and burn center serving western Washington. Affiliate hospitals include Children's Hospital and Regional Medical Center, Evergreen Hospital Medical Center, Group Health Cooperative, Highline Community Hospital, LabCorp, MultiCare Health System, Northwest Hospital, Providence Everett Medical Center, Providence St. Peter Hospital, Valley Medical Center, Veterans' Affairs Puget Sound Health Care System, and Virginia Mason Medical Center. The Puget Sound Blood Center is also affiliated with the University of Washington. These laboratories support patient care, and provide training and research in the major clinical divisions of chemistry, hematology, immunohematology (blood banking), and microbiology. Within these major scientific disciplines, there are multiple subspecialty sections. For example, chemistry includes enzymology, endocrinology, nutrition, toxicology, therapeutic drug monitoring, and urinalysis. Hematology includes general hematology, coagulation, hematopathology, bone marrows, and anemia/hemoglobinopathy evaluation. Microbiology includes antibiotic sensitivity testing, bacteriology, mycology, mycobacteriology, parasitology, and serology. In addition, there are specialty areas such as immunology, virology, genetics and molecular diagnostics. The laboratories are staffed by professionals at the associate, baccalaureate, and master degree levels, and are directed by MDs and/or PhDs. Students rotate in the clinical laboratories for three quarters (typically 8 hours per day, 40 hours per week, Monday through Friday) for their clinical experience as described below:

**AUTUMN, WINTER AND SPRING QUARTERS**

**COURSES: LABORATORY MEDICINE 419, 420, 423, 424, 425, 426, 427**

**TOTAL CREDITS: 47**

**COURSE DESCRIPTIONS:**

Lab M 419 - Clinical Coagulation

Lecture-laboratory course covering the theory and pathology of coagulation with inclusion of selected diagnostic procedures. (4 Cr)

Lab M 420 - Laboratory Analysis of Urine and Body Fluids

Lecture-laboratory course covering urinalysis testing procedures and associated disease entities and analysis of other body fluids. Methods of microscopic examination using bright-field, phase, and polarizing microscopy. (3 Cr)

Lab M 423 - Clinical Chemistry

Six weeks are spent in a core clinical chemistry rotation with training periods in general chemistry, the rapid response laboratory, and specialty areas such as immunology, toxicology, and special chemistry. Experience with various manual procedures and automated chemistry analyzers is included. Emphasis is placed on basic techniques and methods, application of quality control and quality assurance theory, clinical interpretation, and organizational skills. Students are guided and supervised by staff technologists on a one-on-one basis as they learn. (9 Cr)

Lab M 424 - Clinical Microbiology

Six weeks are spent in a core clinical microbiology rotation, interacting primarily one-on-one with staff technologists. The main focus of the rotation is on the process of identification of bacteria in patient specimens, from collection and processing through direct specimen examination and culture interpretation. Principles of bacterial identification, and quality control and quality assurance are emphasized. Special techniques, such as culture techniques for fastidious organisms, the principles and practice of antimicrobial susceptibility testing, and the culture and identification of mycobacteria are also included. (9 Cr)

Lab M 425 - Clinical Hematology

Five weeks are spent in a core clinical hematology laboratory and one week in coagulation interacting one-on-one with staff technologists. Emphasis is placed on routine procedures, quality control and quality assurance, and instrumentation in both sections. In hematology, the morphology of both normal and abnormal blood and body fluid cells is included. There is also exposure to interpretation of selected special hematology and coagulation procedures, including some introduction to molecular biologic techniques used in analysis of patient specimens. (9 Cr)

Lab M 426 - Clinical Immunohematology

One week is spent in a core clinical immunohematology rotation at Puget Sound Blood Center. This experience emphasizes blood bank theory and serological procedures. Principles of immunology and genetics are reviewed as they relate to the techniques and diagnostic tests used in blood banking. Quality control and quality assurance are discussed as they relate to transfusion medicine. (1 Cr)

Lab M 427 - Selected Studies in Laboratory Medicine (continuation)

Students participate in research or in a variety of clinical laboratory rotations designed to enrich their core clinical rotations. Each student will have his/her own unique eleven week schedule. Rotations include phlebotomy, immunohematology, and a selection of subspecialty sections in chemistry, hematology, microbiology, and/or laboratories where multi-tasking skills are utilized. A collaborative research project with a faculty member of the Department of Laboratory Medicine is also a popular option. (12 Cr)

## ADMISSION PROCEDURES

### A. THE UNIVERSITY OF WASHINGTON

Separate application must be made to the University of Washington for individuals who are not currently enrolled. If you are enrolled at UW and anticipate receiving a degree prior to entering the Medical Technology Program, you will need to either delay graduation or reapply for admission to the University as a postbaccalaureate student. If you have earned a bachelor's degree from another institution you will also need to apply to the University of Washington as a postbaccalaureate student. Please contact:

The Office of Admissions  
320 Schmitz Hall  
University of Washington  
Box 355840  
Seattle, WA 98195-5840  
(206) 543-9686

To send email, do so via the Admissions website at  
<http://www.washington.edu/students/admissions.html>

### B. MEDICAL TECHNOLOGY PROGRAM

Admission into the professional phase of the Medical Technology Program requires an additional separate application procedure. All qualified applicants are considered. Acceptance of applicants depends upon the decision of the Admissions Committee in Medical Technology. Selection is based primarily upon:

1. Scholarship (both cumulative and science GPAs are considered)
2. Personal qualifications (application essay)
3. Evaluation Forms (three)
4. Interview

A cumulative grade point average of 2.00 (4.00 equals A) and a cumulative grade point average of 2.00 in the required courses are the minimum required for consideration for admission. The mean cumulative grade point average for students accepted in 2009 was 3.37. The grade point average is calculated from all previous college work, whether from other schools or from the University of Washington.

The following application materials for admission into the curriculum in Medical Technology **must** be received or postmarked by February 15th of the year in which the applicant plans to enroll. Incomplete or late applications will not be considered.

1. A completed application form
2. Personal Statement: 500 word type-written essay
3. Three evaluation forms. To be completed by college instructors, teaching assistants, supervisors, etc., preferably in science fields.
4. Official transcripts of **all** college work. Grades for winter quarter or autumn semester grades of the current year should be sent as soon as available. Please note that the UW transcript does not include individual transfer courses and grades. These need to be provided by each separate institution.
5. Signed Essential Requirements signature sheet
6. Signed Washington State Patrol Criminal History Information request form

**All forms may be downloaded from the Internet: <http://depts.washington.edu/labweb/Education/MedTech/>**

**THE REQUIRED MATERIALS MUST BE SUBMITTED DIRECTLY TO:**

Medical Technology Program  
Department of Laboratory Medicine  
University of Washington Medical Center, NW120  
Box 357110  
Seattle, WA 98195-7110

**NOTIFICATION PROCESS:**

Applicants receive notification of action on their applications as soon as decisions are made, usually by mid to late May. Applicants are responsible for indicating an address, on the application form, where they can receive notification of their admission status.

**STUDENT ACHIEVEMENT AND PROMOTION**

General Requirements: Students in Medical Technology at the University of Washington customarily maintain high academic standards. Nevertheless, minimum requirements for the program are outlined below:

1. Students must achieve at least passing grades in all required science courses (0.7 or better).
2. Students must achieve at least a 2.00 grade in each of the required Laboratory Medicine courses.
3. Students must establish and/or maintain at least a University of Washington minimum cumulative grade point average of 2.00 (cumulative GPA).
4. Students must establish and maintain a minimum cumulative grade point average of at least 2.00 in all required science courses (cumulative science GPA) in the seven-quarter professional phase of the program.

Discussion: The Medical Technology faculty/staff evaluate student achievement at the end of each academic quarter. If the cumulative grade point average and/or the cumulative grade point average in the required science courses drops below a 2.00 in any of the first three quarters, the student is placed on academic probation. Students who are on probation must raise their cumulative grade point average and/or the cumulative GPA in the required science courses above a 2.00 in the following quarter. Students who cannot attain these grades will be dismissed from the program. Students who are on probation in the fourth quarter of the program must raise their averages to a 2.00 before entering the final three quarters of clinical study. Students in clinical study must achieve the following in order to complete the curriculum satisfactorily: 1) receive at least a 2.00 grade in each required Laboratory Medicine course, and 2) maintain a cumulative grade point average and a cumulative required science grade point average of at least 2.00.

Appeal Process: An appeal may be filed with the Medical Technology faculty/staff if the student feels there are unusual circumstances which warrant reconsideration of a probation or dismissal decision.

**TUITION AND FEES**

Full-time tuition for the 2009-2010 year is \$2,564/quarter for in-state residents. For non-residents tuition is \$8,122/quarter. Tuition for summer 2009 was \$2,227 for residents and \$7,699 for non-residents. These figures are subject to change without notice. Books, supplies, and room and board costs are additional.

**FINANCIAL ASSISTANCE**

Information concerning financial assistance may be obtained from:

The Office of Financial Aid  
105 Schmitz Hall  
University of Washington  
Box 355880  
Seattle, WA 98195-5880

In addition, a limited number of scholarships are available from the Medical Technology Program, local agencies, and from national sources for students enrolled in the curriculum. These vary in amount from year to year and should be considered as supplemental help.

### **ADVISING**

Students interested in pursuing this program are encouraged to contact an advisor as follows:

UW Academic Counselor  
Undergraduate Advising  
The Gateway Center, 171 Mary Gates Hall    or  
Box 352805  
Seattle, WA 98195-2805  
(206) 543-2550  
advice@u.washington.edu

Advisor, Medical Technology Program  
Department of Laboratory Medicine  
University of Washington Medical Center, NW120  
Box 357110  
Seattle, WA 98195-7110  
(206) 598-2162  
medtech@u.washington.edu

### **OTHER SOURCES OF INFORMATION**

Information about the UW Medical Technology program can also be found on the Internet at:  
<http://depts.washington.edu/labweb/Education/MedTech/>

Further details concerning University policies, costs, and admission requirements can be obtained from the University of Washington Bulletin which may be found in many high schools, colleges, universities, and public libraries, or may be obtained from the following sources:

University Book Store  
4320 University Way NE.  
Seattle, WA 98105

Registrar's Office  
209 Schmitz Hall  
University of Washington  
Box 355850  
Seattle, WA 98195-5850

Information is also available via the Internet: <http://www.washington.edu/students/>

## ANSWERS TO FREQUENTLY ASKED QUESTIONS

*Must all science prerequisites be fulfilled before beginning the professional program in Medical Technology?*

You may apply to the program while completing the science prerequisites. However, all science prerequisites must be satisfied prior to beginning the professional program in Medical Technology in Autumn Quarter.

*Must I complete all the English composition/writing and Areas of Knowledge courses before beginning the Medical Technology Program?*

You do not have to have all these courses completed in order to begin the Medical Technology Program. However, you do have to complete them in order to graduate from the UW. As it is extremely difficult to take any additional while in the MT Program, you are strongly advised to complete them first. Otherwise you risk having your graduation delayed after completing the program.

*What if I have to take ESL classes? Is that a problem?*

If you have ESL classes (also known as AEP classes) to take at the time you begin the program, it is a problem. The curriculum for the MT Program requires a full load of challenging science courses and adding to this may jeopardize your success in the program. Therefore, any AEP requirements/courses must be completed before you are eligible to begin the Medical Technology Program.

*Do I need to submit official transcripts from all colleges and universities I have attended, even if the courses I took did not include courses required for Medical Technology?*

Yes, the entire scholastic record is reviewed and evaluated.

*If I take classes at one of the Washington Community Colleges, how do I know how they will transfer to the UW?*

If you go to the UW home page ([www.washington.edu](http://www.washington.edu)) and click on Admissions, Seattle Campus and then Undergraduate Admissions, you will see a link to Transfer Students. See page 4 of this booklet, #4 Transfer Considerations for more details.

*Is there an orientation program for students entering the professional curriculum in Medical Technology?*

Yes. A mandatory one-day orientation is scheduled on the day prior to the first day of Autumn Quarter. The orientation includes an introduction of faculty, staff, and students, important details of the two-year professional program, participation in an immunization program, and tours of the Health Sciences complex. In addition, LabM 427, taken during autumn quarter of the first year, will provide an introduction to the profession of Medical Technology.

*Will I have to study and take examinations during the fourth year clinical program?*

Yes. Examinations and other exercises are required during the 40-hour weeks students are scheduled in the clinical laboratories.

*Will I be able to keep my part-time job?*

Students may work part-time while enrolled in the Medical Technology Program. The clinical component during the final three quarters of the program is typically scheduled for 8 hours/day, 40 hours/week. Occasional evening and midnight rotations may be part of this clinical training program, and therefore outside work commitments need to be considered relative to the training schedule. Weekend employment is typically possible throughout the program.

*If an applicant is denied admission, may s/he reapply to the program in subsequent years?*

Yes. A new application can be submitted; it must be accompanied by updated transcripts and a current reference. Previous application materials, including references and transcripts, are held on file for one year.