

Medical Laboratory Technology

• Associate of Technical Science Degree

Many opportunities await those choosing careers in medicine and science. One of the most rewarding is medical laboratory technology. As members of the medical team, technicians work side-by-side with medical scientists and pathologists and often have contact with patients. Medical laboratory technicians (MLTs) perform a great variety of scientific laboratory procedures that aid in the detection, diagnosis and treatment of disease, and they perform phlebotomy. This program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) (www.naacls.org, 5600 North River Road, Suite 720, Rosemont, IL 60018. Phone: 773.714.8880).

In addition to employment in medical laboratories, graduates pursue positions in research, industry or veterinary laboratories, and as medical supply and equipment sales specialists.

The MLT program is broken up by year (first year and second year). Entry into the second year is on a competitive basis. Applications to the second year are accepted every spring, and students are qualified to apply if they are on track to complete all first-year classes by the start of the second year (which starts every summer quarter). During the first year, students will take general education courses and specialized medical laboratory courses designed to provide a solid base for the second year of on-the-job training. The second year consists mostly of on-site training in medical laboratories, plus theory courses. Travel to distant training facilities may be required, and work on a variety of shifts may be necessary; therefore, the use of an automobile is required. A GPA of 2.0 ("C") or better is required in all MLT program courses.

As a result of completing the MLT program, students will obtain a background in general college courses, especially the sciences, and develop the important employable skills required to perform medical laboratory testing.

The regional program includes training at distant sites through agreements with the Community Colleges of Spokane, Walla Walla Community College and Blue Mountain Community College.

Selection to the second year of the program:

Applications to the second year are accepted every spring, and students are qualified to apply if they are on track to complete all first-year classes (also called prerequisites) by the start of the second year (which starts every summer quarter). Students must successfully complete first-year courses before being permitted to continue with the second year of the program. An interview may be a part of the acceptance criteria. The number of positions available in the second year is dependent on the number of clinical training sites available.

Application Requirements:

- Complete the WVC Application for Admission
- Complete the appropriate MLT application for Wenatchee, Omak, Spokane, Walla Walla or Pendleton, Oregon
- Submit three recommendation forms (only required for students applying to Spokane, Walla Walla or Pendleton, Oregon). Recommendation form is online at www.wvc.edu/mlt.
- Provide official college transcripts (excluding WVC transcripts).
- Demonstrate a cumulative college GPA of 2.5 or higher.
- Complete one of the following: MATH 099 Intermediate Algebra (or higher) or placement testing into MATH& 107 Math in Society (or higher).
- Complete all first-year coursework with a grade of "C" (2.0) or higher no later than the spring quarter before the second year of the program begins.
 - CHEM& 121 Intro. to Chemistry
 - CHEM& 131 Intro. to Organic/Biochemistry
 - BIOL& 241 Human Anatomy & Physiology 1
 - BIOL& 242 Human Anatomy & Physiology 2
 - BIOL& 260 Microbiology
 - ENGL& 101 Composition: General
 - One of the following: CMST& 101 Introduction to Communication, CMST& 210 Interpersonal Communication or CMST& 220 Public Speaking
 - MA 113 HIV/AIDS Education
 - HLTH 123 Medical Terminology
 - PSYC& 100 General Psychology
 - MLT 100 Intro. to Medical Laboratory Technology
 - MLT 102 Phlebotomy

Students with a bachelor's degree should visit the MLT Admission website at www.wvc.edu/mlt for special admission requirements.

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Note: Conviction of certain crimes may prevent completion of the clinical course requirements of the program and may prevent future employment in the healthcare field. A criminal record check is required prior to any clinical training experience or clinical field trips. Students who have a criminal record should meet with the dean of allied health to determine if the criminal history would prevent access to a healthcare facility.

Immediately following acceptance to an allied health program students must fulfill the following requirements:

- Pay a non-refundable acceptance fee by the designated deadline.
- Provide a current healthcare provider CPR card. Must include but not be limited to first aid/CPR/AED for adult, children and infants. The CPR card must be issued by a person or facility qualified specifically to instruct CPR for healthcare providers.
- Provide a copy of seven contact hour course – Washington State HIV/AIDS Certificate. (Seven-hour online class offered through www.nursingceu.com or any other seven-hour HIV/AIDS class.)
- Provide documentation of immunizations to the student immunization tracker (for a complete list go to www.wvc.edu/alliedhealth).
- Provide verification of major medical insurance (accident/injury) for participation in clinical learning experiences. Students should expect to pay an additional fee for this mandatory student insurance, unless they are currently covered by an insurance carrier and can provide proof of insurance. Students have the option to purchase the Washington State Community College insurance. Obtain a brochure at the cashier's station or at www.summitamerica-ins.com.
- Provide background check information to provide clearance for participation in required clinical learning experiences. National background checks must go back at least six years and be submitted within 45 days of acceptance into the program.
- Provide results of a ten-panel drug test, not older than 45 days, from Complio.
- Complete the allied health packet, which includes: student disclosure form, a child and adult abuse information act disclosure statement, medical record form, student release form and student confidentiality form.
- Liability insurance is calculated into tuition and fees annually at the time of registration.
- Physical requirements include: ability to lift 50 pounds, carry 20 pounds, sit for four hours and stand for eight to twelve hours.

Note: Required documents are to be submitted to the student immunization tracker.

Regional MLT Program

The entire two years of the program need not be taken on the Wenatchee campus; some courses can be taken through Wenatchee Valley College at Omak, Spokane Community College or Spokane Falls Community College, Walla Walla Community College and Blue Mountain Community College (Pendleton, Oregon).

During the second year of the program, students from Omak must join with all the Wenatchee students and take MLT 150 and 151 on the Wenatchee campus. Other areas are able to take all required courses totally within their regional area and are not required to take any courses in Wenatchee. Clinical training during the second year is available in medical laboratories in the areas surrounding each area where the program is available. The lectures (MLT 213, 223 and 233) and labs (MLT 214, 224 and 234) during the second year are taught by the use of either online materials or in live interactive TV classrooms. Registration for the final five quarters is only through WVC. At the conclusion of the program students will be qualified to take a national certifying examination (ASCP or BOC).

For more information, visit www.wvc.edu/mlt. Specific information regarding application to the program is available on this site as well.

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Suggested Course Sequence: Associate of Technical Science Degree Program

Offered at the Wenatchee and Omak campuses and through partner colleges.

First-year coursework must be completed before starting the second-year coursework. Refer to the first-year checklist on the MLT website for more details, www.wvc.edu/mlt.

Some courses have prerequisites. See the course descriptions for more information.

First Year - On Campus		Credits	Second Year - On and Off Campus		
CHEM& 121*	Intro. to Chemistry	5	Summer Quarter (Wenatchee campus)		Credits
CHEM&131	Intro. to Organic/Biochemistry	5	MLT 150	Basic Lab. Theory	4
BIOL& 241	Human Anatomy & Physiology 1	5	MLT 151	Basic Lab. Practice	3
BIOL& 242	Human Anatomy & Physiology 2	5	Fall Quarter		
BIOL& 260	Microbiology	5	MLT 210	Clinical Experience I	10
ENGL& 101*	Composition: General	5	MLT 213	Hematology	7
PSYC& 100	General Psychology	5	MLT 214	Hematology Lab	3
CMST&101	Intro. to Communication <i>or</i>		Winter Quarter		
CMST& 210	Interpersonal Communication <i>or</i>		MLT 220	Clinical Experience II	10
CMST& 220	Public Speaking	5	MLT 223	Clinical Microbiology	7
HLTH 123	Medical Terminology	3	MLT 224	Clinical Microbiology Lab	3
MA 113	HIV/AIDS Education	**	Spring Quarter		
MLT 100	Intro. to Medical Lab Technology	1	MLT 230	Clinical Experience III	10
MLT 102	Phlebotomy	1	MLT 233	Clinical Chemistry and Urinalysis	7
	Total Credits for First Year	45	MLT 234	Clinical Chemistry Lab	3
			Summer Quarter		
			MLT 240	Clinical Experience IV	10
			Total Credits for Second Year		77
			Total Credits for Entire		
			MLT Program		122

*Placement score required.

**HIV/AIDS certificate of completion is required for all students except students in the Oregon program. This is a non-credit requirement.

Content delivery between campuses may include instructions via interactive television (ITV).