Medical Laboratory Science Program Information Session

What is an MLS?



Video linked here



Medical Laboratory Scientists

> Skills:

– Integrate science, medicine, and technology

> Daily Role:

– Help clinicians diagnose and treat disease

> Career:

- Rewarding
- Flexible
- Team-oriented
- Intellectually stimulating



What will my degree be worth?

AVERAGE SALARY

Chemical Engineering								######################### 73	
Computer Science								·····69	
Nursing							65		
MLS									
Business									
AVERAGE	10100000000000000000000000000000000000								
Biology									
Economics				IIIII 50					
Political Science							Top 10 Most Popular College Majors 2017		
Communications	38							-Princeton Review	V
Psychology	IIIIIIIB7							2017 Starting Sala -Forbes.com/UW	
English	⊪⊩ 36								
3	85	40	45	50	55	60	65	70	75

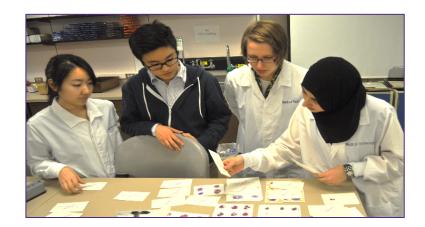
Where do UW MLS graduates work?

Class of 2020: 26 of 29 employed within 3 months of graduation

Harborview Medical Center, Seattle – 4 Multicare Tacoma General Hospital – 2 **Opentrons (ReOpen) Biotech (COVID Testing), NYC – 1 Providence Regional Medical Center, Everett - 1** UW Hematopahology at SCCA, Seattle – 2 Seattle Children's Hospital – 1 Skagit Regional Medical Center, Mt. Vernon - 1 Swedish Medical Center (BWNW), Seattle – 1 UW Medical Center – Montlake – 12 VA Medical Center, Seattle – 1

MLS Disciplines

- > Chemistry
- > Hematology/Coagulation
- > Microbiology
- > Transfusion Medicine





- > Immunology
- > Urinalysis
- > Molecular/Genetics
- > Laboratory Operations



HUMANITARIAN BIOT	TECHNOLOGY	ACADEMI	
PeaceCorps Resea Develo	pment Technical	Research	FORENSICS
Lab Set-Up & Training Sale	Support es/Marketing N	Program ⁄Ianagement	Crime Scene nvestigator
Manufacturing Medical Marketing/Sales Mission	Technical Writer Teachi	Toxicology ng DNA Analysis	/ Laboratory
Product Tech/Service Development Representative	Madinal	DINA Analysis	Manager
INDUST	RY Medical Laboratory	Epidemiologist A	HEALTH CARE DMINISTRATION
PROFESSIONAL SERVICE	Scientists		ty Assurance
Clinical Lab Committee Work Standards Sys	Agencies	mmunology Toxicology	Safety Officer
Test Development Ar	Disease	Virology Patholo	gy Chemistry
consultation	Pharmaceutical Companies	Urinalysis Mic Point of Care	robiology Hematology
Author Program	nmer University/Medica	<mark>l</mark> Testing	HOSPITAL &
Sales INFORMATION TECHNOLOGY	Centers RESEARCH	Transfusion Services	CLINIC ABORATORIES

Bachelor of Science (B.S.) Program

> 2+2 Program

- First two years:
 - > Pre-Professional Phase
 - 90 quarter credits of prerequisite and general education coursework

– Final two years:

> Professional Phase (7 consecutive quarters)

+

- Didactic Year (4 quarters) and Clinical Internship Year (3 quarters)

= 4-year B.S. degree



Pre-Professional Prerequisites

- General Biology (BIOL 180, 200, 220) General Chemistry (CHEM 142, 152, 162)
- Organic Chemistry (CHEM 237 or 223) one quarter
- Any basic <u>Statistics</u> course <u>(no Calculus accepted)</u>
- Human Physiology (BIOL 118)

General Education Coursework* (req'd for graduation):

- Composition
- 7 additional Writing (W) credits
- 10 VLPA, 10 I&S, and 3 Diversity credits

All requirements in **BOLD** must have the entire series (one year) complete. **Note: Take entire series at the same educational institution.** *General Education requirements DO NOT apply to Post-bacs.

Application Process

- > <u>Apply online by February 15th</u>
- > Components:
 - Completed application form(s):

Note: All applicants must have completed a minimum of 90 quarter credits. Applicants must also have a minimum 2.0 cumulative **AND** science GPA.

- > Postbaccalaureate and Transfer Students (includes UW-Tacoma/Bothell) must <u>apply to UW-Seattle</u> AND the MLS Program in two separate online applications.
- Personal Statement (fit, experience, goals, etc.)
- Official Transcripts from ALL colleges/universities attended (including UW students)
- One <u>Recommendation Form</u>
- 30-minute Interview* typically in April



Frequently Asked Questions

- > What's the average GPA of people who get in?
 - Class of 2020:
 - > Admitted Cum. GPA: 3.47
 - Range: 2.41 4.00
 - > Admitted Science. GPA: 3.42
 - Range: 2.55 4.00
- > When do I have to complete my prerequisites?
 - Must be completed before entering the program, but can be inprogress during the application process.
- > How many people apply each year?

Year	Applied	Admitted
2018	72	30
2019	70	32
2020	69	34

MLS Program – Didactic (First Year)

Autumn Quarter:

BIOC 405 LABM 301/302 IMMUN 441 Biochemistry Intro. to MLS Immunology

Spring Quarter:

_ABM 418	Clinical
	Chemistry
MICROM 460/461	Mycology &
	Parasitology
MICROM 445	Virology

Winter Quarter:

LABM 430 LABM 435

MICROM 442 MICROM 443 Hematology Molecular Diagnostics Bacteriology Bacteriology Lab

Summer Quarter:

LABM 419 LABM 420 LABM 421 Hematology Urinalysis Medical Microbiology



MLS Program – Internship (Final Year)

First 6 weeks of Autumn Quarter:

LABM 426 – Immunohematology. Last didactic (lecture/lab) course LABM 427 – Senior Seminar. The only non-science course in the program. Focus is career development.

Autumn, Winter & Spring Clinical Rotations:

- LABM 423 Clinical Chemistry Rotation (5 weeks)
- LABM 424 Clinical Microbiology Rotation (5 weeks)
- LABM 425 Clinical Hematology Rotation (5 weeks)
- LABM 431 Transfusion Medicine Rotation (5 weeks)
- LABM 433 Research Rotation
- LABM 436 Molecular Diagnostics Rotation

Notes:

- 1. We assign clinical rotations, which can take place all over the Puget Sound.
- 2. Some clinical rotation sites may require drug testing.



Tuition, Fees & Logistics

- > MLSP is 7 quarters in length (mandatory summer quarter between first and second year).
- > Full-time WA state resident students (2020-21) = \$3,829 per quarter current UW undergrads, transfers and Postbacs
- > Full-time non-resident students (2020-21) = \$12,952 per quarter current UW undergrads, transfers and Postbacs
 - UW determines resident and non-resident tuition, not the MLSP.
- > <u>Additional tuition information available here</u>.
- > No lab fees for the LABM Classes, but possibly for the MICROM classes.

Student Lab













Congratulations Class of 2020!





Please feel free to reach out if you have questions or want to schedule an online advising appointment!

> **Email:** *medtech@uw.edu*

> Website: <u>http://bit.ly/UWMLS</u>

> **Application:** <u>*http://bit.ly/MLSApplication*</u>

> **Location:** *UW Medical Center – Montlake, NW 120*