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?

UW Medicine System
MLS Trainee: $66,408/year - $86,940/year + $3,000 sign on bonus

4 criteria to move to MLS 1: completed 6-mo. Probation period, completed MLS Trainee training, attained ASCP MLS certification, performing MLS 1 job duties

MLS 1: $73,392/year - $90,420/year
Where do UW MLS graduates work?

Class of 2022: 26 of 30 employed within 3 months of graduation

Confluence Health, Wenatchee – 1
Harborview Medical Center, Seattle – 4
Multicare, Tacoma General – 2
SCCA Cytogenetics – 1
Seattle Children’s Hospital – 2
Swedish Medical Center (BWNW), Seattle – 1
UW Hall Health, DLMP – 1
UW Hematopathology at SCCA, Seattle – 3
UW Medical Center – Montlake – 9
UW Medicine HIV Public Health Research in Kenya – 1
Virginia Mason Medical Center – 1

*4 Unknown – reported taking time off before seeking employment
MLS Disciplines

- Chemistry
- Hematology/Coagulation
- Microbiology
- Transfusion Medicine
- Immunology
- Urinalysis
- Molecular/Genetics
- Laboratory Operations
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/lab NOT required
Any basic Statistics course (*no Calculus accepted*)
Human Physiology (BIOL 118)

General Education Coursework* (req’d for graduation):
  – Composition
  – 7 additional Writing (W) credits
  – 10 Arts & Humanities, 10 Social Sciences, 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

> **Apply online by February 15th**

> **Components:**

> - Completed application form(s):

>    > Postbaccalaureate and Transfer Students (includes UW-Tacoma/Bothell) must **apply to UW-Seattle** AND the MLS Program in two separate online applications.

> - Personal Statement (fit, experience, goals, etc.)

> - Unofficial Transcripts from ALL colleges/universities attended (including UW students). Official transcripts are required upon admission to the major.

> - One **Recommendation Form**

> - 30-minute Interview* – typically in April

*(not all applicants receive an interview, but all admitted applicants will)*
Frequently Asked Questions

> What’s the average GPA of people who get in?
  > Students Admitted in 2022:
    > Admitted Cum. GPA: 3.66
      > Range: 2.95-4.00
    > Admitted Science. GPA: 3.48
      > Range: 2.55-4.00

> When do I have to complete my prerequisites?
  > Must be completed before entering the program, but can be in-progress during the application process.

> How many people apply each year?

<table>
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<tr>
<th>Year</th>
<th>Applied</th>
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<tbody>
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<tr>
<td>2022</td>
<td>96</td>
<td>35</td>
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### MLS Program – Didactic (First Year)

#### Autumn Quarter:
- **BIOC 405**
- **LABM 301/302**
- **IMMUN 441**

#### Spring Quarter:
- **LABM 418**
- **MICROM 460/461**
- **MICROM 445**

#### Winter Quarter:
- **LABM 430**
- **LABM 435**
- **MICROM 442**
- **MICROM 443**

#### Summer Quarter:
- **LABM 419**
- **LABM 420**
- **LABM 421**

### Notes:
- **Biochemistry**
- **Intro. to MLS**
- **Immunology**
- **Hematology**
- **Molecular Diagnostics**
- **Bacteriology Lab**
- **Clinical Chemistry**
- **Mycology & Parasitology**
- **Virology**
- **Coagulation**
- **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 (2022-23) = $4,081 per quarter current UW undergrads, transfers and Postbacs

> Full-time non-resident students (2022-23) = $13,580 per quarter current UW undergrads, transfers and Postbacs

  — UW determines resident and non-resident tuition, not the MLSP.

> Additional tuition information available here.

> No lab fees for the LABM Classes, but possibly for the MICROM classes.
Congratulations Class of 2022!
Contact Us

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

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

> **Website and Application:** https://dlmp.uw.edu/education/mls-undergrad

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