

# Medical Laboratory Science Program

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UNIVERSITY *of* WASHINGTON



# Medical Laboratory Scientists

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## > Skills:

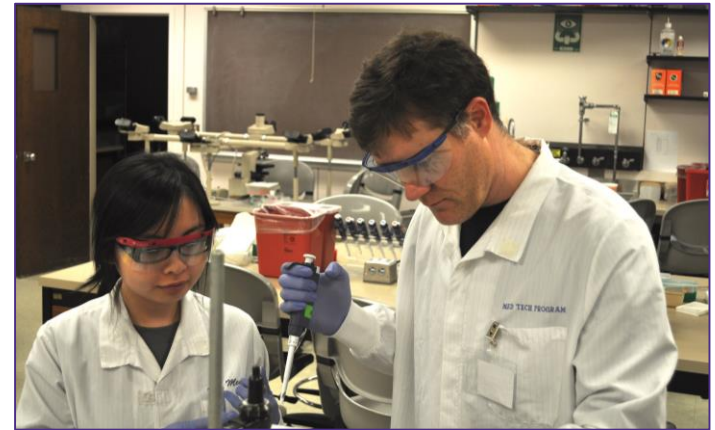
- *Integrate science, medicine, and technology*

## > 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

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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

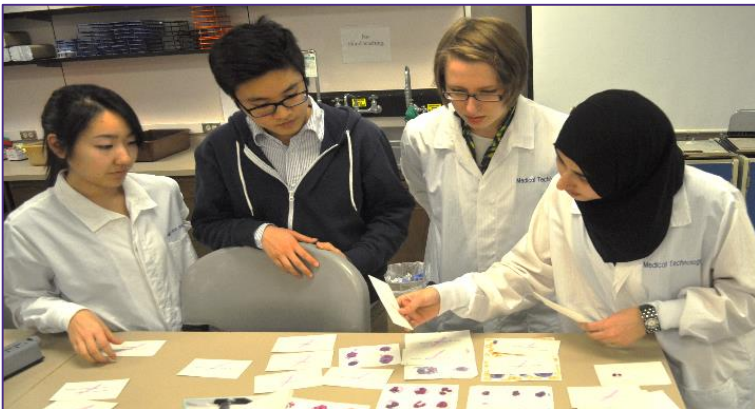
\*4 Unknown – reported taking time off before seeking employment



# MLS Disciplines

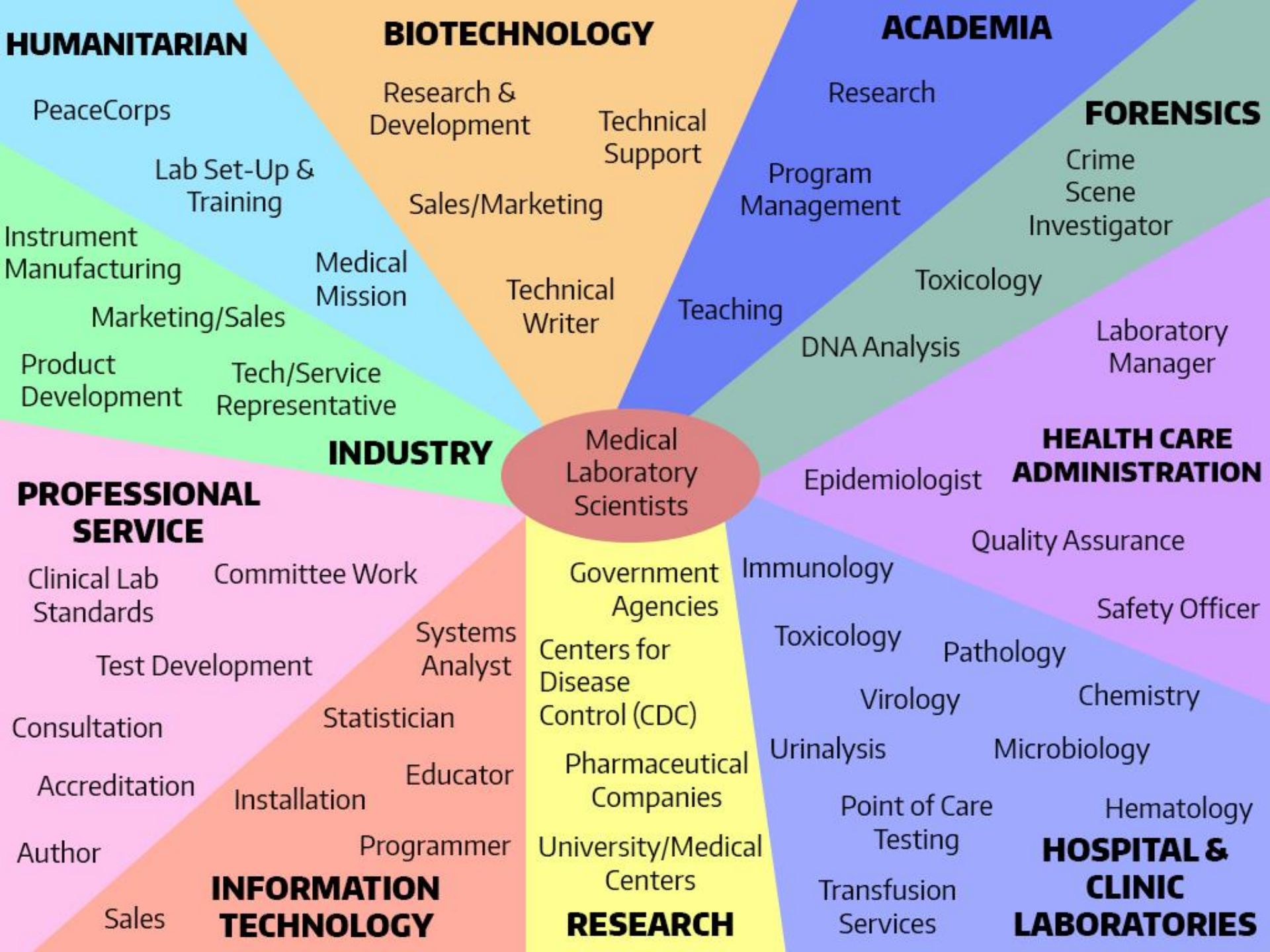
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- > Chemistry
- > Hematology/Coagulation
- > Microbiology
- > Transfusion Medicine



- > 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

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

> **Apply online by February 15<sup>th</sup>**

> **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

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- > **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?**

Year	Applied	Admitted
2020	69	34
2021	121	35
2022	96	35

# **MLS Program – Didactic (First Year)**

## **Autumn Quarter:**

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

## **Spring Quarter:**

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

## **Winter Quarter:**

LABM 430	Hematology
LABM 435	Molecular Diagnostics
MICROM 442	Bacteriology
MICROM 443	Bacteriology Lab

## **Summer Quarter:**

LABM 419	Coagulation
LABM 420	Urinalysis
LABM 421	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.



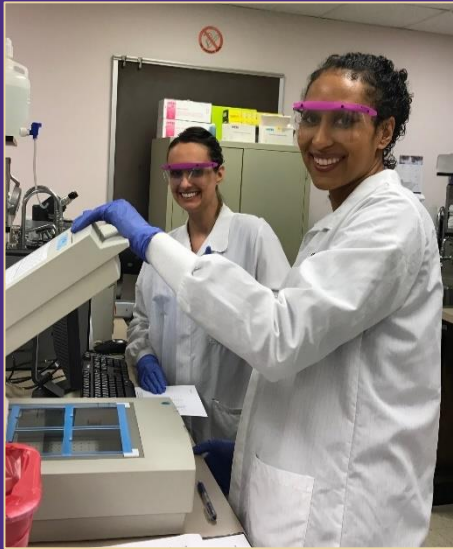
# Tuition, Fees & Logistics

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- > 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.

# Student Lab

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# Congratulations Class of 2022!

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# Contact Us

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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*