Medical Laboratory Science Program
Dept. of Laboratory Medicine
University of Washington, School of Medicine
MLS CAREER OPTIONS

Clinical Laboratory Scientists

- Industry
  - Instrument Manufacturing
  - Technical Service Representative
  - Product Development
  - Marketing/Sales
  - Technical Writer

- Professional Service
  - Consultation
  - Author
  - Committee Work
  - Test Development

- Information Technology
  - Programmer
  - Systems Analyst
  - Biostatistician
  - Educator
  - Sales

- Academia

- Hospital & Clinic Laboratories

- Research
  - Epidemiologist
  - Laboratory Manager
  - Safety Officer
  - Quality Assurance
  - Point of Care Testing
  - Immunology
  - Toxicology
  - Pathology
  - Virology
  - Urinalysis

- Forensics

- Health Care Administration
  - Hospital & Clinic Laboratories

For more information on careers for Clinical Laboratory Scientists, visit www.ascls.org or www.ascp.org
Where do UW MLS Graduates Work?

2019 MLS Graduates:
21 of 26 employed within 3 months of graduation

• Bloodworks Northwest/Swedish Medical Center, Seattle ~ 1
• Harborview Medical Center, Seattle ~ 2
• Kaiser Permanente, Renton ~ 1
• MultiCare, Tacoma General Hospital ~ 1
• Seattle Cancer Care Alliance ~ 1
• Seattle Children’s Hospital ~ 5
• St. Peter’s Hospital, Olympia ~ 1
• University of Washington Medical Center ~ 7
• UW Medicine Virology ~ 1
• VA Hospital & Medical Center ~ 2
• UW MLS Program ~ 1
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- Harborview Medical Center, Seattle ~ 5
- Kaiser Permanente, Renton ~ 1
- MultiCare, Deaconess Hospital, Spokane ~ 1
- MultiCare, Tacoma General Hospital ~ 1
- Seattle Cancer Care Alliance ~ 2
- Seattle Children’s Hospital ~ 5
- St. Joseph’s Hospital, Phoenix, AZ ~ 1
- University of Washington Medical Center ~ 3
- UW Medicine Hematopathology ~ 1
- UW Medicine Virology ~ 2
- Virginia Mason Medical Center, Seattle ~ 1
- WhidbeyHealth Medical Center, Whidbey Island, WA ~ 1
- MLS in Bellingham, WA ~ 1
- MLS in Vancouver, WA ~ 1
The 2 + 2 Program…

The first 2 Years: Pre-professional Phase: 90 quarter hours of prerequisite and general education coursework

+  

The second 2 Years: Professional Phase (2 years): Didactic Year (4 quarters) and Clinical Internship Year (3 quarters)

= 4 Year MLS BS Degree
Pre-Professional Prerequisites

General Biology: 180, 200, 220
General Chemistry: 142, 152, 162
Organic Chemistry: 223 & 224 or 237, 238, 239
One Math Course: Any Basic Statistics Course
Biology 118: Human Physiology
Plus the General Education courses required for graduation
(Composition, 7 additional Writing credits, 10 VLPA & 10 I&S credits, 3 credits Diversity)

GEN. ED DOES NOT APPLY to POST-BACS

*Note: Take entire series at the same educational institution*
How do I become a UW Medical Laboratory Science major?

Apply online by February 15th: https://sites.google.com/uw.edu/mls-application/home

What are UW MLS Program Admission Requirements?

• Junior status = at least 90 credits (all prerequisites complete or in progress when you apply)
• Minimum Cumulative GPA of 2.0 required
  Class admitted in 2018, mean cumulative GPA = 3.53
  GPA Range = 3.14 – 3.9
• Minimum Science GPA of 2.0 required
  Class admitted in 2018, mean science GPA = 3.41
  GPA Range = 2.68 - 3.96
What does a complete application consist of?

- Complete Application Form Submitted Online. **If you are a postbac or transfer student**, you must apply to UW Admissions [(http://admit.washington.edu/Admission)](http://admit.washington.edu/Admission) and the MLS major in two separate online application processes. Both deadlines are February 15th

- Personal Essay/Statement (fit, experience, etc.)

- Interview - usually takes place in April and we do not interview all applicants

- Official Transcripts of ALL college coursework (**UW students must send official UW transcripts**)

- **One** Recommendation Form
**Most Frequently Asked Question:** How competitive is it???

**Answer:** Moderately competitive in comparison to other health sciences programs/majors

**Application Stats for the past 5 years:**
- **2015** – 63 applied, 26 accepted
- **2016** – 82 applied, 30 accepted
- **2017** – 64 applied, 31 accepted
- **2018** – 72 applied, 30 accepted
- **2018** – 70 applied, 32 accepted

**Most Frequent Comment:**
I wish I would have known about this major sooner
# Medical Laboratory Science Program, Junior Year

## Autumn Quarter:
- BIOC 405  | Biochemistry
- LABM 301/302  | Intro to MLS
- IMMUN 441  | Immunology

## Winter Quarter:
- LABM 430  | Hematology
- LABM 435  | Molecular Diagnostics
- MICRO 442  | Bacteriology
- MICRO 443  | Bacteriology Lab

## Spring Quarter:
- LABM 418  | Clinical Chemistry
- MICRO 460/461  | Mycology & Parasitology
- MICRO 445  | Virology

## Summer Quarter:
- LABM 419  | Coagulation
- LABM 420  | Urinalysis
- LABM 421  | Medical Micro

~ Subject To Change ~
Medical Laboratory Science Program, Senior 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 (5 weeks)
LABM 424 - Clinical Microbiology (5 weeks)
LABM 425 - Clinical Hematology (5 weeks)
LABM 431 – Transfusion Medicine (4 weeks)
LABM 433 – Research Rotation (5 weeks)
LABM 436 – Molecular Diagnostics Rotation (1 week)

**We Assign Clinical Rotations, which can take place all over the Puget Sound as far south as Olympia and as far north as Everett**

~ Subject To Change ~
Tuition...always subject to change

- Full-time WA state resident students (2019-20) = $3,822 per quarter current UW undergrads, transfers and postbacs
- Full-time non-resident students (2018-19) = $12,722 per quarter current UW undergrads, transfers and postbacs
- No lab fees for the LABM Classes, but possibly for the MICRO classes
- MLSP is 7 quarters in length
- Additional tuition information: [http://opb.washington.edu/content/quarterly-tuition-and-fees](http://opb.washington.edu/content/quarterly-tuition-and-fees)
- UW determines resident and non-resident tuition, not the MLSP
Strengths of the Medical Laboratory Science Program

- Excellent Education: In-depth knowledge of health and disease
- Cohort Design: Students get to know each other and the faculty/staff
- Community: Support, Networking, Resources
- Several Scholarships available exclusively for MLS students: departmental, regional, and national
- Students are well prepared for the **ASCP Board of Certification exam**
- MLS’s are in High Demand: many jobs waiting after graduation offering competitive salaries. In the UW Medicine system an entry-level MLS Trainee earns $54,480/yr. After obtaining ASCP certification (have 1 yr. from date of hire), will be re-classified to an MLS 1 and earn $60,180/yr (a $5,700 raise ASAP!). This will vary by institution and region of the country
- The work of Medical Laboratory Scientist is vitally important - without diagnostic tests and results healthcare would be severely limited. **Patient lives depend on accurate laboratory results**
- There is so much variety in this field!!! From Microbiology to Hematology to Chemistry to Bloodbanking and the sub-specialties within each of these specialties. It is astounding how much students learn in this program and how well prepared they are to enter the field directly after graduation
GRADUATION!!!

CLASS OF 2019
Medical Laboratory Science Program
Contact Information

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