



Medical Laboratory Science

Major Preparation Sheet 2017-2018

Where do I start?

You will complete an Associate of Science-Transfer (AS-T) Track 1 at Shoreline.

Use the AS-T Track 1 Degree Planning Guide, with this sheet, to understand the requirements for graduation.

Once you complete your Shoreline degree, you can transfer to a four-year school to earn a Bachelor of Science (B.S.) in Medical Laboratory Science.

Another pathway option is Shoreline’s Associate in Applied Arts and Sciences AAAS in Medical Laboratory Technology. This two-year degree leads to a technician level employment license, but does not transfer to a university. For more information, visit <http://www.shoreline.edu/medlabtech/>.

Medical Laboratory Science —What is it?

With high precision microscopes and analyzers, Medical Laboratory Scientists use the scientific method in laboratories to conduct tests on blood, tissue and fluids of the human body. The test results are used by physicians and other medical professionals to detect, diagnose, monitor and treat disease.

Areas of study in Medical Laboratory Science: Chemistry, Microbiology, Coagulation, Hematology, Immunology, Virology, Body Tissues and Fluids, Specimen Processing, Clinical Testing Methods and Interpretation, Information Systems Management, Safety and Regulations, and Professional Ethics.

Where can I go for help?

Instructional Faculty Advisors

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General Academic Advising

FOSS (5000) Building, Rm. 5229
206-546-4559
advising@shoreline.edu
www.shoreline.edu/advising

International Student Academic Advising

9000 Building, Rm. 9302
206-546-4697
leadvisors@shoreline.edu
www.shoreline.edu/international/advising/

Career Planning

www.shoreline.edu/job-career-services/

For course information and entry codes contact:

biologyadvising@shoreline.edu, chemistryadvising@shoreline.edu,
mathadvising@shoreline.edu

Where can I transfer?

The only school in Washington state school that offers a Bachelor Level Medical Laboratory Science Program is the **University of Washington, Seattle** campus. The Associate in Science Transfer (AS-T) degree is designed to prepare students entrance into a Bachelor of Science (B.S.) program, such as Medical Laboratory Science. The primary focus of the AS-T degree is completion of the necessary math and science requirements for junior standing at Washington state baccalaureate institutions. Students will be required to take additional general education courses after transfer to fulfill university requirements.

What can I do with a Bachelor’s Degree in Medical Laboratory Science?

Medical Laboratory Scientists develop highly scientific, critical thinking, problem solving, quality assurance and technical skills that can be applied to a number of professions in the health care field. In addition to performing medical tests, Medical Technologists manage departments, consult with other health care professionals, conduct research and teach in hospitals, colleges and universities.

Potential employers include: Hospitals, medical centers, medical clinics, private laboratories, public health agencies, colleges and universities. For more, please visit career information and resources at <http://www.shoreline.edu/counseling-center/career-counseling.aspx>.

What courses should I take?*

General Education Requirements (20 Credits)	Required: ENGL& 101 (A); ENGL& 102 (A), 230 (W,S) or CMST& 101 (A); MATH& 151* (A); One course in Multicultural Understanding
Humanities/Social Sciences (15 Credits)	Required: One course each in Humanities and Social Sciences; a third course in either Humanities or Social Sciences
Pre-Major Requirements (29.5 Credits)	Required: Biology: BIOL& 211 (A), 212 (W,S), 213 (S,U) Chemistry: CHEM 171/181 (F,W,S), 172/182 (W,S,U) 173/183 (F,S,U) Additional Math: MATH& 152 (A), MATH& 163 (F,W,S) or MATH 211 (A)
Major Sciences Sequence (10 Credits)	Required for admission to MLS major: Biology: BIOL& 170 (F), or 241 (A) and 242 (A) Organic Chemistry: CHEM&241/271 (F,W), &242/272 (W,S), &243/273 (S)

F=Fall, W=Winter, S=Spring, U=Summer, A=All– indicates quarter(s) in which class is offered.

More information about programs in Medical Laboratory Science

Admission requirements at the University of Washington: BIOL &211-&213, BIOL &170 (or &241 and &242), CHEM 171/181, 172/182, 173/183, &241/271, &242/272, &243/273, MATH &146 or 211 (See footnote below). A minimum 2.0 overall GPA and a 2.0 in prerequisite math and science courses are required.

Applicants must apply to both the Department of Laboratory Medicine and the UW Admissions Office. The application deadline is February 15th each year. The program admits some international students.

For more information, contact medtech@u.washington.edu or visit the website at <http://depts.washington.edu/labweb/>

The UW requires two years of the same world language in high school or two quarters in college for admission. Non-native speakers of English are exempt. Those on an international student visa will need to take an English proficiency exam, as per UW Admissions Requirements.

* The UW Medical Laboratory Science program requires MATH &146 or 211 for admission. The Associate of Science-Track 1 degree also requires MATH &151, &152. Students who choose not to take the extra math courses can graduate with an Associate in Arts—Individualized Plan (AA-IP) and still be prepared for a major in Medical Laboratory Technology. UW Medical Laboratory Science does not require organic chemistry labs, but Shoreline Chemistry Department does require them with the lecture classes. Additionally, Associate in Science Gen Ed and Distribution courses can be used towards Medical Laboratory Science graduate requirements.

**** This unofficial guide is intended to support you as you prepare for your major Please consult with an advisor and your chosen four-year school(s), as program and admissions requirements vary and may change without notice.**