

Bachelor of Science in Medical Laboratory Science

Sample Plan

The academic plan below is one pathway through the degree/certificate. It includes all requirements, taking into account recommendations from program faculty. Each student's plan may vary according to their initial course placement (<https://catalog.uaa.alaska.edu/academicpoliciesprocesses/academicstandardsregulations/courseplacement/>), intended course load, additional majors and/or minors, and their placement into required prerequisite courses. Any change in the plan below can have an unforeseen impact on the rest of the plan. **Therefore, it is very important to meet with your academic advisor to verify your personal academic plan.**

Please review the following terms, definitions, and resources associated with the sample academic plan below.

- Each course in the far left column links to a pop-up bubble with a course description, prerequisite requirements, and associations with university requirements. For example, if a course fulfills a general education requirement, you will see that in the pop-up bubble.
- **GER:** indicates a General Education Requirement (<https://catalog.uaa.alaska.edu/undergraduateprograms/baccalaureaterequirements/gers/>). GERs that also count toward degree/certificate requirements appear as a specific course in the plan. For these courses, "GER" is not indicated explicitly in the table, but if you click on the course, you will see the course's GER status in the pop-up bubble.
- **Program Elective:** indicates a specific course selection determined by program faculty to fulfill a degree/certificate requirement. Students should seek assistance from their academic advisor.
- **Elective:** indicates an open selection of 100-400 level university courses to fulfill elective credits needed to meet the minimum total credits toward the degree/certificate.
- **Upper Division Program Elective:** indicates a specific 300-400 level course selection determined by the program faculty to fulfill a degree/certificate requirement. Students should seek assistance from their academic advisor.
- **Upper Division Elective:** indicates an open selection of 300-400 level courses to fulfill elective credits needed to meet the minimum total credits toward the degree/certificate. These courses must be upper division in order to meet General University Requirements for the particular degree/certificate type.

First Year

Fall		Credits
BIOL A111 & A111L	Human Anatomy and Physiology I and Human Anatomy and Physiology I Lab	4

CHEM A103 & A103L	Introduction to General Chemistry and Introduction to General Chemistry Laboratory	4
MATH A151	College Algebra for Calculus	4
GER Written Communication Skills		3
Credits		15

Spring

BIOL A112 & A112L	Human Anatomy and Physiology II and Human Anatomy and Physiology II Lab	4
CHEM A104 & A104L	Introduction to Organic and Biochemistry and Introduction to Organic and Biochemistry Laboratory	4
WRTG A212 or WRTG A213	Writing and the Professions or Writing and the Sciences	3
GER Oral Communication Skills		3
Credits		14

Second Year

Fall

MEDT A132 & A132L	Phlebotomy and Specimen Processing Techniques and Phlebotomy and Specimen Processing Techniques Lab	4
MEDT A133	Basic Techniques in Laboratory Medicine	2
MEDT A134	Immunology and Serology	3
MEDT A250	Cultural Diversity in Health Care	1
GER Social Sciences		3
Credits		13

Spring

AKNS A201	Alaska Native Perspectives	3
MEDT A204	Hematology and Coagulation	6
MEDT A211	Blood Banking	4
STAT A200 or STAT A253	Elementary Statistics or Applied Statistics for the Sciences	3-4
Credits		16-17

Third Year

Fall

MEDT A202	Clinical Chemistry	4
MEDT A203	Clinical Microbiology	6
MEDT A208	Urine and Body Fluid Analysis	3
GER Social Sciences		3
Credits		16

Spring

MEDT A301	Molecular and Emerging Diagnostics	3
MEDT A303	Advanced Clinical Microbiology	6
MEDT A306	Advanced Immunology and Blood Banking	3
Credits		12

Fourth Year**Fall**

MEDT A302	Clinical Laboratory Education and Management	4
MEDT A307	Clinical Correlations	2
MEDT A401	Introduction to Research	2
PHIL A305	Professional Ethics	3
GER Fine Arts		3
Credits		14

Spring

MEDT A495	Medical Laboratory Science Practicum	11
Credits		11

Summer

MEDT A495	Medical Laboratory Science Practicum	11
Credits		11
Total Credits		122-123