

# Medical Laboratory Technology (AAS, BS)



## EXPLORE YOUR OPPORTUNITIES

*The Medical Laboratory Technology degrees offer students four career paths in phlebotomy, clinical assistant, clinical laboratory technician, and clinical laboratory scientist through a career ladder approach to higher education. The program's faculty and staff are dedicated to preparing graduates for leadership roles in the clinical laboratory and instilling an understanding of the need to maintain continuing competency in a rapidly changing and dynamic profession.*

## Educational Pathway Options

### Recommended Preparation

#### High School

- Reading and Writing Skills
- Algebra II
- Biology
- Health Occupations\*
- Chemistry

Also Helpful:

- Computer Applications\*
- AP Biology

\* Students may earn college credit through Tech Prep, [techprep.uaa.alaska.edu](http://techprep.uaa.alaska.edu)

### Occupational Endorsement Certificates

#### 1-2 Years

- **Phlebotomist**  
Students who complete the phlebotomy practicum are eligible to take national certification exams.
- **Clinical Assistant**  
This certificate is only offered through distance delivery. Students must contact the department to arrange for a mentor and clinical training facility prior to enrolling in any of the courses.

### Associate of Applied Science (AAS)

#### 2-3 Years

#### Medical Laboratory Technology

### Bachelor of Science (BS)

#### 4-5 Years

#### Medical Technology

### Graduate Coursework

#### Ongoing

MEDT 601 Diagnostic Flow Cytometry

### CAREER CONNECTIONS

- Health Sciences
- Science, Mathematics, Engineering, & Research

## APPLICATION PROCESS

### OFFICE OF ADMISSIONS

- 1 Apply for admission at [www.uaa.alaska.edu/admissions](http://www.uaa.alaska.edu/admissions).
- 2 Review admission requirements for your student type.
- 3 Submit required documents to UAA Office of Admissions (see below).
- 4 Take the SAT, ACT, or Accuplacer test for English and math course placement. Call the UAA Advising & Testing Center at 907.786.4500 for testing information.
- 5 Make an appointment for academic advising at 907.786.4930 and meet regularly with an advisor. For program information, visit [www.uaa.alaska.edu/ctc/alliedhealth/medlab](http://www.uaa.alaska.edu/ctc/alliedhealth/medlab).
- 6 Access the Future Students Checklist online at [www.uaa.alaska.edu/futurestudents/checklist.cfm](http://www.uaa.alaska.edu/futurestudents/checklist.cfm) to stay on track.

*The University of Alaska Anchorage has been continuously accredited by the Northwest Commission on Colleges and Universities since 1974. The MLT/MT programs are accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 8410 W. Bryn Mawr, Suite 670, Chicago, IL 60631, (773) 714-8880. NAACLS is recognized by the United States Department of Education and by the Council for Higher Education Accreditation. This brochure is for information purposes only and does not constitute a contract. UAA is an EO/AA employer and educational institution.*

*This information is based on the 2008-2009 UAA Course Catalog. Please refer to the current catalog for complete information.*

## MEDICAL LABORATORY TECHNOLOGY (AAS)

### ▶ GENERAL EDUCATION COURSES (9 credits) Semester Grade

ENGL 111 Methods of Written Communication\* (3) \_\_\_\_\_

**And one of the following:**

COMM 111, 235, 237, or 241 (3) \_\_\_\_\_

**And one of the following:**

ENGL 211, 212, 213, 214, CIOS 260A (3) \_\_\_\_\_

*Note: Students wishing to complete the BS in Medical Technology must take ENGL 212 and are encouraged to take either COMM 111 or COMM 241.*

### ▶ SUPPORT COURSES (15-16 credits)

*Students must complete each course with a grade of 'C' or better.*

BIOL 111/L Human Anatomy & Physiology I (4) \_\_\_\_\_

BIOL 112/L Human Anatomy & Physiology II (4) \_\_\_\_\_

CHEM 103/L Survey of Chemistry\* (with lab) (4) \_\_\_\_\_

CHEM 104/L Introduction to Organic Chemistry & Biochemistry\* (with lab)\*\* (3-4) \_\_\_\_\_

*Students who complete the AAS degree are eligible to take national certification exams to qualify as a Medical Laboratory Technician/Clinical Laboratory Technician. A total of 67-68 credits is required for this degree.*

### ▶ MAJOR REQUIREMENTS (43-44 credits) Semester Grade

*Students must complete each course with a minimum grade of 'C' or pass.*

MEDT 132 Introduction to Laboratory Medicine (3) \_\_\_\_\_  
or MEDT 101 and MEDT 133 (4)

MEDT 202 Clinical Chemistry (6) \_\_\_\_\_

MEDT 203 Clinical Microbiology (6) \_\_\_\_\_

MEDT 204 Hematology & Coagulation (6) \_\_\_\_\_

MEDT 206 Immunology & Blood Banking (6) \_\_\_\_\_

MEDT 208 Urine & Body Fluid Analysis (3) \_\_\_\_\_

MEDT 250 Cultural Diversity in Health Care (1) \_\_\_\_\_

MEDT 295 Clinical Practicum (12) \_\_\_\_\_

*\*Placement test or prerequisite required.*

*\*\*CHEM 104 laboratory is optional for AAS, but required for BS.*

## MEDICAL TECHNOLOGY (BS)

### ▶ ASSOCIATE OF APPLIED SCIENCE COURSES (56-60 credits)

*Complete all coursework above except MEDT 295.*

### ▶ ADDITIONAL GENERAL EDUCATION COURSES (15 credits)

*Total number of general education credits is 24, including AAS courses.*

Semester Grade

Humanities (6) \_\_\_\_\_

Fine Arts (3) \_\_\_\_\_

Social Sciences (6) \_\_\_\_\_

### ▶ ADDITIONAL SUPPORT COURSES (12-14 credits)\*\*

*Total number of support course credits is 28-33, including AAS courses.*

*Students must complete each course with a grade of 'C' or better.*

CIS 305 Managerial Presentations (3) \_\_\_\_\_

MATH 107 College Algebra\* or higher (except MATH 205) (3-4) \_\_\_\_\_

Semester Grade

PHIL 302 Biomedical Ethics (3) \_\_\_\_\_

STAT 252 Elementary Statistics\* or higher (3-4) \_\_\_\_\_

### ▶ ADDITIONAL MAJOR REQUIREMENTS (40 credits)

*Total number of major credits is 71-72, including AAS courses.*

*Students must complete each course with a minimum grade of 'C' or pass.*

MEDT 301 Clinical Molecular Biology (4) \_\_\_\_\_

MEDT 302 Clinical Lab Education & Management [meets capstone requirement] (4) \_\_\_\_\_

MEDT 303 Advanced Clinical Microbiology (6) \_\_\_\_\_

MEDT 401 Introduction to Research (2) \_\_\_\_\_

MEDT 495 Medical Technology Practicum (24) \_\_\_\_\_

*\*Placement test or prerequisite required.*

*\*\*BS students may elect the following substitutions for support courses listed under the AAS: CHEM 105/L in lieu of CHEM 103/L (4 credits); CHEM 106/L and CHEM 321 in lieu of CHEM 104/L (7 credits).*

*Students who complete the BS degree are eligible to take national certification exams to qualify as a Medical Technologist/Clinical Laboratory Scientist. A total of 123-129 credits is required for this degree, 42 of which must be upper-division.*

