

MEDICAL LABORATORY TECHNICIAN CURRICULUM

SPECIAL ADMISSION REQUIREMENTS

Additional information is listed in the "Special Requirements for programs in Health Career Education" section.

Admission to the Medical Laboratory Technician program is on a first-qualified, first-accepted basis. The prerequisite courses must be completed or in process of being completed prior to application to the program. First Aid and one rescuer CPR certification is required by January 1, prior to program entry. Courses transferred from accredited institutions are accepted if course descriptions and competencies are consistent with or at a higher level than KCC courses listed as prerequisites. The requirement for MLT 100 may be waived for individuals certified as phlebotomists with one year of clinical laboratory experience.

MLT Program Accreditation Information:

National Accrediting Agency
for Clinical Laboratory Sciences (NAACLS)
8410 West Bryn Mawr, Suite 670
Chicago, Illinois 60631
Phone: (773) 714-8880

ASSOCIATE IN SCIENCE DEGREE (70-71 SEMESTER CREDITS)

Program Description: This curriculum is designed to prepare students to perform many laboratory procedures and to operate and care for laboratory equipment. Graduates of this program will be eligible to write the national registry examination for MLT given by the American Society of Clinical Pathologists (ASCP) and/or the national examination for CLT given by the National Credentialing Agency for Laboratory Personnel, Inc. (NCA). When

certified, the MLT graduate will meet the requirements to become licensed to work in the State of Hawai'i as a Medical Laboratory Technician.

Program Competencies: Upon successful completion of the Associate in Science degree in Medical Laboratory Technician, the student should be able to:

- Perform routine clinical laboratory procedures within acceptable quality control parameters in Hematology, Chemistry, Immunohematology, and Microbiology under the general supervision of a Clinical Laboratory Scientist or Pathologist.
- Demonstrate technical skills, social behavior, and professional awareness incumbent upon a laboratory technician as defined by the American Society for Clinical Laboratory Science and the American Society of Clinical Pathologists.
- Effect a transition of information and experiences learned in the MLT program to employment situations and performance on the written examinations conducted by the American Society of Clinical Pathologists and/or the National Certifying Agency for Clinical Laboratory Personnel.
- Apply systematized problem solving techniques to identify and correct procedural errors, identify instrument malfunctions and seek proper supervisory assistance, and verify the accuracy of laboratory results obtained.
- Operate and maintain laboratory equipment, utilizing appropriate quality control and safety procedures.
- Perform within the guidelines of the code of ethics of the American Society for Clinical Laboratory Science, the American Society of Clinical Pathologists, and the restrictions established by state and local regulatory groups.
- Recognize and participate in activities which will provide current knowledge and upgrading of skills in laboratory medicine.

A.S. DEGREE CURRICULUM, MEDICAL LABORATORY TECHNICIAN (70-73 CREDITS)

Course	Title	Cr
General Education Requirements (15-16 credits)		
ENG 100	Composition I	3
MATH 103 or higher level math	Fundamentals of College Algebra	3
BIOL 130 or BIOL 171 or ZOOL 141 and ZOOL 142	Anatomy and Physiology General Biology I Human Anatomy and Physiology I and Human Anatomy and Physiology II	3-6
KCC AS/SS	A.S. Social Sciences Elective (100 level or higher)	3
KCC AS/AH	A.S. Arts & Humanities Elective (100 level or higher)	3
General Support Courses (13 credits)		
CHEM 161	General Chemistry I	3
CHEM 161L	General Chemistry I Laboratory	1
CHEM 162	General Chemistry II	3
CHEM 162L	General Chemistry II Laboratory	1
MICR 130	General Microbiology	3
MICR 161	Immunology and Protein Chemistry	2

A.S. DEGREE CURRICULUM, MEDICAL LABORATORY TECHNICIAN (70-73 CREDITS)

Course	Title	Cr
Medical Laboratory Technician Courses (42 credits)		
MLT 100	Introduction to the Clinical Laboratory	2
MLT 100B	Phlebotomy Practicum	1
MLT 118	Body Fluids	1
MLT 107	Clinical Microbiology I	3
MLT 108	Hematology	5
MLT 112	Clinical Biochemistry I	3
MLT 212	Clinical Biochemistry II	4
MLT 204	Immunohematology	2
MLT 207	Clinical Microbiology II	3
MLT 211	Clinical Microscopy	1
MLT 240	Seminar I	
MLT 242B	Clinical Rotation II - Blood Bank	2
MLT 242C	Clinical Rotation II - Chemistry	5
MLT 242D	Clinical Rotation II - Microbiology	5
MLT 242E	Clinical Rotation II - Hematology	4
TOTAL		70-73

The issuance of an A.S. degree requires that the student must earn a G.P.R. of 2.0 or higher for all courses applicable toward the degree.

Please note: Clinical rotation is conducted in affiliated community hospitals and laboratories and involves a regular workweek of 40 hours for 18 weeks. Hours are scheduled by clinical staff and may include an evening shift. For the A.S. degree in MLT a grade of "C" or higher must be maintained in all required courses to continue in this program. A student who does not satisfactorily complete the required courses as scheduled must have the program director's approval to continue in the program.

OCCUPATIONAL THERAPY ASSISTANT CURRICULUM

SPECIAL ADMISSION REQUIREMENTS FOR OCCUPATIONAL THERAPY ASSISTANT

Additional information is listed in the "Special Requirements for Programs in Health Career Education" section. Acceptance into the Occupational Therapy Assistant program is on a first-qualified, first-accepted basis with a minimum score of 11.5 on the English placement test (or equivalent), placement at MATH 25 or higher, and attendance at an OTA orientation session.

Preparation for OTA Program

Prerequisite courses that must be completed prior to program entry are: BIOL 130, ENG 100, A.S. Humanities course (100 level or higher, PHIL 250 recommended), Math or Logical Thinking course (MATH 100 or MATH 100H or higher, PHIL 110), HLTH 125, HLTH 160 or HLTH 280, and A.S. Social Sciences course (100 level or higher).

Applicants may take support courses before taking OTA courses to lessen credit load during the program. OTA 110 may also be completed before entering the OTA program. First Aid and CPR (infant and child, 2 rescuer) certification is required **before** beginning second semester fieldwork.

ASSOCIATE IN SCIENCE DEGREE (79 SEMESTER CREDITS)

Program Description: This curriculum is designed to prepare students to work under the supervision of a registered occupational therapist with clients who are in need of functional activities to increase or maintain their

muscle strength or individuals who are unable to cope with daily life tasks as a result of injury, illness, the aging process, developmental delays, poverty, or cultural differences. These remediation activities take place in a variety of health care facilities such as hospitals, clinics, rehabilitation centers, public and private schools, nursing homes, and home care settings. Students have faculty-supervised clinical learning experiences in a variety of these settings.

The Occupational Therapy Assistant program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, P.O. Box 31220, Bethesda, MD 20824-1220 (1-800-729-2682).

Graduates of the program will be able to sit for the national certification examination for the occupational therapy assistant administered by the National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this exam, the individual will be a Certified Occupational Therapy Assistant (COTA). Many states other than Hawai'i require licensure in order to practice; however state licenses are usually based on the results of the NBCOT Certification Examination. Recertification occurs every five years.

Program Competencies: Upon successful completion of the Associate in Science degree in Occupational Therapy Assistant, the student should be able to:

- Understand the models of health care, education, community, and social systems as they relate to the practice of occupational therapy.
- Understand the meaning of occupation, activity, and purposeful activity, including the interaction of performance areas, performance components, and performance contexts.