

HEALTH SCIENCE CLUSTER
THERAPEUTIC SERVICES PATHWAY

PHLEBOTOMY

PROGRAM OF STUDY

COURSE	COURSE TITLE	PREREQUISITE	CREDITS	HIGH SCHOOL YEAR
ATHC-1700	First Aid	NONE	2	Sophomore/Junior (FALL)
HLTH-1090	CPR-Healthcare Provider	NONE	.5	Sophomore/Junior (FALL)
BIOS-1540 and BIOS-1620	Physiology & Anatomy 1 Physiology & Anatomy 2	ACFS-0060R or Reading Placement	4	Junior
HLTH-1060	Medical Terminology	NONE	2	Junior
SFTX-1220	Transportation & Shipping of Hazardous Material		1	Senior (Fall)
ALHL-1005	Intro to Clinical Lab		2	Senior (Fall)
ALHL-1050	Intro to Phlebotomy		.5	Senior (Fall)
ALHL-1051	Lab Practices		2	Senior (Spring)
ALHL-1052	QC/PT Basic		2	Senior (Spring)
ALHL-2050	Advanced Phlebotomy		3	Senior (Fall)
ALHL-2040	Clinical Phlebotomy Review Comprehensive		3.5	Senior (Spring)
TOTAL CREDIT HOURS			22.5	

If you follow the pathway sequence of courses, you may obtain the following:

- MLT Medical Lab Tech or MLT Clinical Lab Tech, AAS*
- Phlebotomy, Certificate

* Certification is required in AAS and BA degree programs.

NOTE:

- You must be at least 18 years of age and have a High School diploma to test for Phlebotomy licensure.



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COURSE DESCRIPTIONS

ALHL-1005 Introduction to Clinical Laboratory The course will provide an overview of the clinical laboratory testing process by following a specimen from collection through the reporting of laboratory results.

ALHL-1050 Introduction to Phlebotomy The course will provide basic instruction on techniques, procedures, and issues pertaining to the proper collection of blood specimens for routine clinical laboratory testing.

ALHL-1051 Laboratory Practices in Waived Testing Students will learn the background and scope of waived testing, quality issues identified in waived testing, and recommendations for improving the quality of waived testing.

ALHL-1052 Basic Quality Control (QC) and Proficiency Testing (PT) This course is a concise and comprehensive introduction to statistical quality control which is the backbone of the laboratory. The basics of proficiency testing are emphasized throughout the course.

ALHL-2040 Phlebotomy Clinical Practicum and Comprehensive Review This course is designed for students who are seeking to complete the Phlebotomy certification. The course is divided into two parts. The course will begin with supervised clinical experience in a hospital and/or phlebotomy setting and an in-depth review for Phlebotomy Technician Certification/Examination will follow.

ALHL-2050 Advanced Phlebotomy This course will provide advanced instruction on different types of specimen collection containers, difficult draws, patient complications, arterial draw, unusual tests, specimen processing, non-blood specimens, quality assurance and legal issues.

ATHC-1700 First Aid The student will study standard first aid practices and procedures. This does not count as a physical education activity class.

BIOS-1540 Human Physiology and Anatomy 1 Topics covered include the introduction of human anatomy and physiology, introduction to the chemical basis of life, cells, cellular metabolism, tissues, integumentary, skeletal, joints, muscular, nervous systems and somatic and special senses.

BIOS-1620 Human Physiology and Anatomy 2 This course is a continuation of BIOS-1540. Topics covered include the structure and function of the circulatory, respiratory, digestive, endocrine, reproductive, and excretory systems. Also included is a study of the fluid electrolyte and pH balances of the body.

HLTH-1060 Medical Terminology This course gives the student a basic knowledge of medical terms used in the health profession. The format presents terminology within the context of root words and use of prefixes and suffixes. It is designed to stimulate the student thinking process including proper use and pronunciation of medical terms.

SFTX-1200 Introduction to Proficiency Testing (PT) Safety Students will be introduced to patient safety culture, patient injury investigation, and laboratory error and injury classification.

