

SCHOOL OF HEALTH SCIENCES

Clinical Laboratory Technology AAS Degree (CLT3)

Offered at Clarkesville Campus

Entrance Dates Spring
 Length of Program..... 5 Terms
 Credit Hours Required for Graduation 73

***Must complete all required learning support courses prior to enrolling in occupational courses which begin spring term.**

Purpose: The Clinical Laboratory Technology Associate of Applied Science degree program prepares students to perform clinical laboratory procedures under the supervision of a qualified clinical laboratory scientist. Classroom training is integrated with clinical experiences under the medical direction of cooperating hospitals. Graduates will receive a degree in Clinical Laboratory Technology and possess the entry level competencies necessary to perform routine clinical laboratory tests in areas such as basic laboratory skills, related laboratory math, Clinical Chemistry, Hematology/Coagulation, Immunology/Serology, Immunohematology, Microbiology, and Urine and Body Fluid Analysis.

Admission Requirements:

- Age 18 or older
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

Program Requirements:

- Entry into the Interdisciplinary Studies Degree, Clinical Lab Specialization and completion of prerequisite coursework with a minimum grade of “C” or better in each course.
- The number of students accepted into the Clinical Laboratory program is limited to the number of faculty and clinical facilities available. In the event that there are more applicants than the college can accommodate, a competitive admission process will be implemented.
- No re-admission to the program after two withdrawals or two academic failures in any occupational course.
- Must meet the technical competencies (listed below) of the program prior to entry.
- Must provide a physical examination and immunization record prior to participating in the clinical internship; failure to provide a physical exam or immunization record that meets the clinical requirement of the program may prevent a student from participating in the clinical internship.
- An acceptable (negative) criminal background check and drug test are required prior to clinical activities; student’s participation in the internship is dependent upon the results of these requirements.
- Must maintain CPR certification, carry professional liability insurance and maintain annual health requirements while enrolled in the program.
- Must maintain a GPA of 2.0 or better; a grade of “C” or better must be achieved in each course in order to progress to the next semester of the program, including clinical rotations.
- Students who have been out of the program for two semesters or more will be subject to an evaluation of skills and knowledge to assess that retention of content and skills is sufficient to ensure success when he/she re-enters the program.
- Must maintain annual health requirements.

Program Courses

Credits

General Core Courses

Total 16 credit hours

Area I	Language Arts/Communication	3
	ENGL 1101 Composition and Rhetoric (required)	
Area II	Social/Behavioral Sciences	3
	PSYC 1101 Introductory Psychology (required)	

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Area III Natural Sciences/Mathematics	3
<i>(one of the following required)</i>	
MATH 1101 Mathematical Modeling	
MATH 1111 College Algebra	
MATH 1127 Introduction to Statistics	

Area IV Humanities/Fine Arts	3
Program Specific General Education Elective	4
<i>(two of the following required)</i>	
CHEM 1211 Chemistry I	3
CHEM 1211L Chemistry I Lab	1
OR	
CHEM 1151 Survey of Inorganic Chemistry	(3)
CHEM 1151L Survey of Inorganic Chemistry Lab	(1)

Contact program advisor for program-specific courses and see General Education Requirements for Associate Degrees for course options.

Occupational Courses	Total 57 credit hours
BIOL 2113 Anatomy and Physiology I	3
BIOL 2113L Anatomy and Physiology I Lab	1
BIOL 2114 Anatomy and Physiology II	3
BIOL 2114L Anatomy and Physiology II Lab	1
CLBT 1010 Introduction to Clinical Laboratory Technology	2
CLBT 1030 Urinalysis/Body Fluids	2
CLBT 1040 Hematology/Coagulation	5
CLBT 1050 Serology/Immunology	3
CLBT 1060 Immunohematology	4
CLBT 1070 Clinical Chemistry	4
CLBT 1080 Microbiology	5
CLBT 2090 Clinical Urinalysis, Serology, and Pre-analytic Specimen Process Practicum	3
CLBT 2100 Clinical Immunohematology Practicum	4
CLBT 2110 Clinical Hematology/Coagulation Practicum	4
CLBT 2120 Clinical Microbiology Practicum	4
CLBT 2130 Clinical Chemistry Practicum	4
CLBT 2200 CLT Certification Review	2
COLL 1010 College and Career Success Skills	3

Estimated cost of books and supplies for full program is approximately \$2,500. This price does not include the cost of required clinic shoes, uniforms, and lab coats which cost approximately \$250. Other costs include physical exam - \$100-\$150, drug test - \$35-\$50, criminal background check - \$50, lab fee - \$25, HBV vaccine - \$100, Acemapp fee - \$50-\$60, and malpractice insurance - \$11.50 per year. These are approximate costs and subject to change.

Technical Competencies:

Physical Demands – This position involves primarily medium work that requires frequent lifting, carrying, pushing, and pulling of objects or equipment. Individuals enrolled in the program will need the physical ability to assist in lifting and carrying objects, such as patients or laboratory equipment, regardless of the weight of the patient or equipment. Occasional stooping, kneeling, and reaching are required. Manual dexterity (ability to perform delicate manipulations on specimens and instruments) is required. Expressing or exchanging ideas by spoken and written word and through computer information systems is required. The ability to see and obtain impressions through the eyes of shape, size, distance, color, motions, or other characteristics of objects is required. This requires a visual acuity of 20/20 vision, with clarity of vision of 20 inches or less, depth perception, four-way field vision, and sharp eye focus. The abilities to hear and smell are essential. Frequent sitting, standing, and/or walking required.

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The ability to discriminate with touch (detect and anchor veins) to perform venipuncture is required. Requires the ability to read, comprehend, and apply complex technical material as it relates to clinical laboratory procedures and equipment. Demonstrate progressive independence without constant supervision during clinical internship.

Essential Behavioral Attitudes – Ability to engage in activities consistent with safe clinical laboratory practice without demonstrated behaviors of addiction to, abuse of, or dependence on alcohol or other drugs that may impair behavior or judgment. Demonstrate responsibility and accountability for action as a student in the CLT program and as a developing Clinical Laboratory professional, including demonstrating integrity, respect for self and for others, and projecting an image of professionalism. Ability to work under mental and physical stress regularly is required, including ability to concentrate in situations with distractions. Ability to think critically is essential to perform, evaluate, interpret, record, and report laboratory test results, including quality control procedures. Ability to adapt to changing environments and be able to prioritize tasks is required.

Occupational Hazards:

Working Environment – Works inside well-lighted and ventilated laboratory and patient care areas. Potential risks may include possibly receive cuts and infections from sharp instruments and infections from contaminated equipment and personnel; possibly be exposed to communicable diseases; and possibly incur strains due to handling heavy equipment.

OSHA Risk Factor-Category I – A chance of exposure to blood and other body fluids is high and an integral part of the CLT program and course completion. The course exposes the student to noxious smells, either toxic or non-toxic; to toxic fumes, gases, vapors, mists, and liquids; or to latex which could, depending on the chemical, cause general or localized disabling conditions as a result of inhalation, ingestion, or action on the skin. HBV vaccination is recommended prior to clinical internship.

*The Clinical Laboratory Technology program is accredited by
NAACLS, the National Accrediting Agency for Clinical Laboratory Sciences
5600 N. River Road, Suite 720, Rosemont, IL 60018-5119
Fax: 773-714-8886, Phone: 773-714-8880
www.naacls.org*

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Phlebotomy Technician Certificate (PT21)

Offered at Clarkesville and Blairsville Campuses

Entrance Dates Varies on Clarkesville Campus
 Length of Program..... 3 Terms
 Credit Hours Required for Graduation 24

Purpose: The Phlebotomy Technician certificate program educates students to collect blood and process blood and body fluids. Phlebotomy technicians typically work in concert with clinical laboratory personnel and other healthcare providers in hospitals or other healthcare facilities. Topics include; human anatomy, anatomical terminology, venipuncture, and clinical practice. Students will be eligible for certification by American Medical Technologists as a Registered Phlebotomy Technician (RPT).

Admission Requirements:

- Age 16 or older or student with dual/joint enrollment in high school or GED® student seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

Program Requirements:

- Must carry professional liability insurance while enrolled in the program.
- An acceptable (negative) criminal background check and drug test are required prior to clinical.
- Must maintain CPR and First Aid certification throughout program and clinicals.
- Physical and immunization records required before assignment to clinical affiliates for training.
- Students must be 18 years of age before being placed in clinical practicum courses.

Program Courses

Credits

ALHS	1011	Structure and Function of the Human Body	5
ALHS	1040	Introduction to Health Care	3
ALHS	1090	Medical Terminology for Allied Health Sciences	2
COLL	1010	College and Career Success Skills	3
ENGL	1010	Fundamentals of English I	3
PHLT	1030	Introduction to Venipuncture	3
PHLT	1050	Clinical Practice	5

Estimated cost of books and supplies for full program is approximately \$350.