PROGRAM OF STUDY:

Healthcare Science: Diagnostic – Phlebotomy

This Program of Study may serve as a graduation guide for the next four plus years, along with other career planning and educational materials. Courses listed in this model may include recommended coursework and should be individualized to students' educational and career goals. Each graduation plan needs to meet minimum high school graduation requirements. Dual Enrollment courses can be high school academic and/or career technical education courses.

SECONDARY:				
COURSE/ GRADE	**NINTH**	**TENTH**	**ELEVENTH**	**TWELFTH**
ENGLISH	9th grade Lit/ Composition	10th grade Lit/ Composition	American Lit/ Composition	World Lit/ Composition / British Lit
MATHEMATICS	Coordinate Algebra / Algebra I	Analytic Geometry / Geometry	Advanced Algebra / Algebra II	Pre-calculus
SCIENCE	Physical Science	Biology	Chemistry	Physics
SOCIAL STUDIES	Government	World History	US History	Economics
PATHWAY COMPLETER	**Introduction to Healthcare Science**	**Essentials of Healthcare**	**Phlebotomy**	Another course in focus area, Work-Based Learning, or Youth Apprenticeship
Industry Recognized Credential (Pathway Completer)		Visit the End of Pathway Assessment Page (see note below)		
Required/ Selective Electives	Health & Personal Fitness (can be taken in grades 9-12)	Forest Science	Agribusiness Management and Leadership	General Horticulture and Plant Science
	Modern Language/Latin *2 units required for admissions to Georgia University System Colleges/Universities* For a listing of Modern Language/Latin courses offered at your high school, please contact your advisor, counselor, or curriculum handbook.		**Other Electives** For a listing of other elective courses offered at your high school, please check with your advisor, counselor, or curriculum handbook.	

Postsecondary Transition

- University System of Georgia Institutions: Admissions Testing
  - ACT or SAT
  - For More Information:
  - Contact the institution of your choice
- Technical College System of Georgia
  - Placement Exam
- United States Military
  - ASVAB Assessment
- Use BRIDGE Law platform to inform decisions on postsecondary opportunities
- Dual Enrollment
- Earning high school course credits while taking college courses

Diagnostic - Phlebotomy Career Pathway Completers - Industry Credentialing for High School Students

Upon completion of sequenced courses in the Diagnostics – Phlebotomy Pathway, students are eligible to complete the Industry-Recognized student credential for fulfillment of the End of Pathway Assessment. Secondary students completing the Diagnostics – Phlebotomy pathway will be able to sit for the National Industry Credentialed assessment offered on-line from NCCT, NHA, and NCHSE. Once mastery is reached, students will receive recognition for completion and use this credential in conjunction with their job or continuing training. For specific assessment information, refer to: http://bit.ly/GAHealthScience.

Diagnostic - Phlebotomy Pathway Description

Students that successfully complete the Essentials of Healthcare course will also earn credit for the Science course Anatomy/ Physiology as an embedded credit. The grade earned in Essentials will be the same grade for Anatomy/Physiology. The Diagnostics pathway includes procedures such as X-rays, fluoroscopies, sonograms, and clinical laboratory tests examining blood and other body fluids. Clinical laboratory testing is critical in the detection and diagnosis of disease. Laboratory personnel examine and analyze body fluids and cells using complex chemical, blood, immunologic, and bacteriological tests. Technologists evaluate test results and monitor programs to ensure test accuracy. Technicians perform fewer complex tests using automated analyzers or tests in accordance with detailed instructions. Entry into the field of diagnostic services includes education/training in hospitals, technical colleges, colleges and universities, and the Armed Forces. Two-year programs are the most prevalent avenues for entry level jobs. With experience and additional education and training, advancement opportunities exist in department administration, hospital administration, research, or sales with equipment manufacturers. As the population grows and ages, employment is projected to grow faster than average due to the increasing demand for diagnostic services. Phlebotomists draw blood for tests, transfusions, donations, and research. They explain procedures to patients and assist in the recovery of patients with adverse reactions. Phlebotomist opportunities are expected to grow 17% nationally, with job openings for qualified phlebotomists to increase to 6,580 between 2014 and 2024.

Sample In Demand Careers in Georgia

Occupation Specialties	Level of Education Needed	Georgia Average Salary	Annual Average Openings in Georgia	2018 – 2028 Employment Outlook
Phlebotomists	Postsecondary Certificate	$30,838	668	In Demand
Medical Assistants	Postsecondary Certificate	$29,665	4047	In Demand
Medical & Clinical Lab Technicians	Associates Degree	$38,166	248	In Demand, High Skill
Cardiovascular Technologists	Associates Degree	$53,218	85	In Demand, High Skill

Related Pathway Occupations

- Phlebotomists
- Medical Lab Assistants
- Patient Service Technicians
- Radiologic Technologists
- Phlebotomy Supervisors

Other Related Occupations

- Registered Nurses (RN)
- Information Nurse Specialists
- Nuclear Techs
- Respiratory Technicians
- Physicians

O*NET Online

PROGRAM OF STUDY:

Healthcare Science: Diagnostic – Phlebotomy

NOTE: Students have many options to **ENTER** and **EXIT** from their academic studies into the workforce. When a student graduates from high school, they are eligible to choose one of many **ENTRANCE POINT** options: **1.** Enroll in either a 2 or 4 year post-secondary program; **2.** Enroll in an apprenticeship program or the military; or **3.** Enter the workforce using technical skills learned in high school. When a student finishes a 2- or 4-year degree program, they may choose to **EXIT** and **1.** Enroll in an apprenticeship program or the military; **2.** Enroll in a professional university degree program; or **3.** Enter the workforce using technical skills learned.

POSTSECONDARY:

Entrance/Exit Point

TCC

PT21: Phlebotomy Technician TCC

ALHS 1011: Structure & Function of the Human Body (5hrs)
ALHS 1090: Medical Terminology for Allied Health Sciences (2hrs)
ALHS 1040: Introduction to Health Care (3hrs)
COMP 1000: Introduction to Computer Literacy (3hrs)
PHLT 1030: Introduction to Venipuncture (3hrs)
PHLT 1050: Clinical Practice (5hrs)
ENGL 1010: Fundamentals of English I (3hrs)

Completion of the PT21 TCC prepares students for entry-level employment as a phlebotomist. Taking these courses does not automatically place students into the competitive admission of the Clinical Lab Technology Degree (CLT3 program).

*Based on student meeting college entrance requirements.

Entrance/Exit Point

DIPLOMA OR AAS

CLT3: Clinical Lab Technology Degree
Area I: Language Arts/Communication (3hrs)
Area II: Social/Behavior Science (3hrs)
Area III: Natural Sciences/Mathematics (7hrs)
Area IV: Humanities/Fine Arts Elective (3hrs)
Program Specific Requirements (3hrs)
Biology Requirements (8hrs)
CLBT 1010: Introduction to Clinical Laboratory Technology (2hrs)
CLBT 1030: Urinalysis/Body Fluids (2hrs)
CLBT 1040: Hematology/Coagulation (5hrs)
CLBT 1050: Serology/Immunology (3hrs)
CLBT 1060: Immunohematology (4hrs)
CLBT 1070: Clinical Chemistry (4hrs)
CLBT 1080: Microbiology (5hrs)
CLBT 2090: Clinical Urinalysis, Serology, and Preanyalytic Specimen Process Practicum (3hrs)
CLBT 2100: Clinical Immunohematology Practicum (4hrs)
CLBT 2120: Clinical Microbiology Practicum (4hrs)
CLBT 2130: Clinical Chemistry Practicum (4hrs)
CLBT 2220: CLT Certification Review (2hrs)

Entrance/Exit Point

BACHELOR OF SCIENCE

The University System of Georgia offers students' higher education options at 30 institutions throughout the state, providing a wide range of academic programming including certificates and associate, baccalaureate, masters, doctoral and professional degrees. https://apps.ds.usg.edu/ords/f?p=118:1:0:

USG Staying on Course: https://www.usg.edu/student_affairs/assets/student_affairs/documents/Staying_on_Course.pdf

Go to GAfutures at www.gafutures.org for more information about your education and career planning, including valuable financial information (grants and scholarships including HOPE Program, grants, and loans, FAFSA, and CSS forms).

Career Enhancement Opportunities

Career-Related Education Activities

- Career Awareness
- Career Exploration
- Instructional Related
- Connecting
  - Work-Based Learning
  - Employability Skill Dev.
  - Cooperative Education
  - Internship
  - Youth Apprenticeship
  - Clinicals

Postsecondary Options:

- 4-Year Universities/ Colleges
- 2-Year Colleges
- Technical Colleges
- State Registered Apprenticeships
- Special Purpose Schools
- On-the-Job Training
- Military

Earning Postsecondary Credits While in High School

- Dual Enrollment Program
  - Earn postsecondary credit while in high school
  - You can complete
    - Industry Credential
    - Technical Certificate of Credit (TCC)
    - Associates of Applied Science Degree
    - Bachelor's Degree
  - Who can help?
  - Parents
  - School Counselor
  - Advisor

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