PROGRAM OF STUDY:
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:					POSTSECONDARY:				
COURSE/ GRADE	**NINTH**	**TENTH**	**ELEVENTH**	**TWELFTH**	Entrance/Exit Point	**TCC**	Entrance/Exit Point	**DIPLOMA OR AAS**	Entrance/Exit Point	**BACHELOR OF SCIENCE**
ENGLISH	9th grade Lit/ Composition	10th grade Lit/ Composition	American Lit/ Composition	World Lit/ Composition / British Lit		**PT21 TCC Phlebotomy Technician** *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).* Find the campus for the TCC options		**CLT3 Degree Clinical Lab Technology** Find the campus for the Diploma, Degree options		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:
MATHEMATICS	Coordinate Algebra / Algebra I	Analytic Geometry / Geometry	Advanced Algebra / Algebra II	Pre-calculus						
SCIENCE	Physical Science	Biology	Chemistry	Physics						
SOCIAL STUDIES	World History	Psychology	US History	Government (½ unit) Economics (½ unit)						
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)	Financial Literacy	Latin I	AP Biology						
	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.							

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.

Diagnostics – 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.

** = *Statewide Articulation*

Sample In Demand Careers in Georgia

Occupation Specialties	Level of Education Needed	Georgia Average Salary	Annual Average Openings in Georgia	2014 – 2024 Employment Outlook
Medical and Clinical Laboratory Technicians	Associates Degree	$38,166	248	In Demand, High Skill
Phlebotomists	Postsecondary certificate	$30,838	668	In Demand
Cardiovascular Technologist & Technicians	Associates Degree	$53,218	85	In Demand, High Skill
Medical Assistance	Postsecondary certificate	$29,665	4,047	In Demand

Data link here.

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

Postsecondary Transition

- University System of Georgia Institutions: Admissions Testing
  - ACT or SAT
  - For More Information:
    - Contact the institution of your choice OR
- 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

Related Pathway Occupations	Other Related Occupations
• Phlebotomists • Medical Lab Assistants • Patient Service Technicians • Radiologic Technologists • Phlebotomy Supervisors	• Registered Nurses • Information Nurse Specialists • Nuclear Techs • Respiratory Technicians • Physicians

*ONET Online

Diagnostics – 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 provides career opportunities for persons with a strong interest in the initial diagnostic phase of health problems. This phase includes procedures such as X-rays, fluoroscopies, sonograms, and clinical laboratory tests examining blood and other body fluids. Workers in this area document "evidence" that physicians use to make diagnoses and administer appropriate treatment. Occupations are increasingly more varied because of complex new technology seeking to explain how the human body works.

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. Employment in the healthcare industry is favorable for those who are qualified.

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