**Student Plan of Study – Health Informatics—Health Information Technology**

Name ______________________  Date __________________

Parent/Guardian Signature ______________________  Date __________________

Advisor/Counselor Signature ______________________  Date __________________

Current Area of Interest: Health Science/Health Informatics—Health Information Technology. This PLAN OF STUDY should serve as a guide for the next four years. Courses listed in this plan are only recommended coursework and should be individualized to meet each student’s educational and career goals. All plans will meet minimum high school graduation requirements. Applicants to the University System of Georgia and the Technical College System of Georgia institutions should be advised that meeting minimum requirements will not guarantee admission. Postsecondary institutions may set additional requirements.

<table>
<thead>
<tr>
<th>Grade Level</th>
<th>I. English/Language Arts Total 4 credits</th>
<th>II. Math Total 4 credits</th>
<th>III. Science Total 4 credits</th>
<th>IV. Social Studies Total 3 credits</th>
<th>V. Health/Personal Fitness Total 1 credit</th>
<th>VII. Possible electives in additional pathways (students should check the local course description catalog for these and other electives) Total 4 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>9th</td>
<td>CCGPS Core Algebra 2 CCGPS Analytic Geometry 3 CCGPS Accel Core Algebra/Analytic Geometry 4 CCGPS Analytic Geometry Bi/Adv. Algebra</td>
<td>Biology or Approved Dual Enrollment Course</td>
<td>American Government/Civics or AP Government/Politics U.S. or Approved Dual Enrollment Course</td>
<td>Health ½ credit</td>
<td>English/Language Arts, Math, Science, Social Studies</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 credit</td>
<td>1 credit *</td>
<td>Credit Earned</td>
<td>Credit Earned</td>
<td>Credit Earned</td>
<td>Credit Earned</td>
</tr>
<tr>
<td>10th</td>
<td>CCGPS Analytic Geometry 2 CCGPS Adv Algebra 3 CCGPS Adv Algebra/Analytic Geometry 4 CCGPS Pre-Calculus</td>
<td>Physical Science or Physics or AP Physics or Approved Dual Enrollment Course</td>
<td>World History or AP World History or Approved Dual Enrollment Course</td>
<td>25.92100 Intro to Healthcare Science or Approved Dual Enrollment Course</td>
<td>Advanced Academic Pathways</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 credit</td>
<td>1 credit *</td>
<td>Credit Earned</td>
<td>Credit Earned</td>
<td>1 credit</td>
<td>English/Language Arts, Math, Science, Social Studies</td>
</tr>
</tbody>
</table>

**World Language Pathways**

**Fine Arts/Performing Arts Pathways**

At the end of the 11th grade, students planning to enter a University System of Georgia institution or Technical College System of Georgia institution should take the appropriate admissions test (SAT, ACT, Compass).

**Legend:**

- *Science: Approved 4th Sciences* may be used to meet both the required science and required elective in a Career, Technical and Agricultural Education (CTAE) sequence of courses; see Fourth Science Requirements for more information. Student may take science courses in any sequence.
- *Math: Selected Math sequence 1, 2, 3, 4, based on 9th grade entry course.*
- *Students must complete two credits of the same world language for admission to University System of Georgia institutions.*
- *Students should complete a CTAE pathway and take the related end of pathway assessment.*

**NOTE:** Local systems may offer core courses in a different sequence, not all local systems offer every pathway. Students should explore all credit possibilities including Georgia’s Virtual School Programs Dual Enrollment, Advanced Placement (AP), International Baccalaureate (IB) and Work-Based Learning (WBL) to reach their educational and career goals.

Richard Woods, Georgia’s School Superintendent

"Educating Georgia’s Future"
## SAMPLE Pathway OCCUPATIONS

See [Georgia’s HOT Careers to 2020](http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/CTAE-Georgia-Assessments.aspx) for more information on high-skilled, high-wage and high-demand occupations.

<table>
<thead>
<tr>
<th>Occupation Specialties</th>
<th>Entry Level of Education Needed</th>
<th>2012 Annual Wage</th>
<th>Annual Openings</th>
<th>Annual Openings 2012-2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Programmers</td>
<td>Bachelor’s Degree</td>
<td>$72,550</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Informatics Nurse Specialists</td>
<td>Bachelor’s Degree</td>
<td>$78,700</td>
<td>National projected job openings 225,000</td>
<td></td>
</tr>
<tr>
<td>Medical Records &amp; Health Information Technicians</td>
<td>High School</td>
<td>$30,300</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Source: Georgia Department of Labor/ONET

## For more information about your education and career planning, including valuable financial aid information that includes grants and scholarships, see your school counselor.

### Current Georgia Graduation Rule

<table>
<thead>
<tr>
<th>Coursework</th>
<th>Credits</th>
<th>Coursework</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. English/Language Arts</td>
<td>4</td>
<td>V. Health &amp; Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>II. Math</td>
<td>4</td>
<td>VI. **Career, Technical &amp; Agricultural Education</td>
<td>3</td>
</tr>
<tr>
<td>III. *Science</td>
<td>4</td>
<td>and/or ***World Languages, and/or Fine Arts</td>
<td>4</td>
</tr>
<tr>
<td>IV. Social Studies</td>
<td>3</td>
<td>VII. Electives</td>
<td>23</td>
</tr>
</tbody>
</table>

*Selected 4th Science courses may be used to meet both the required science and required elective in a CTAE sequence of courses.

**Students must complete three credits to complete a CTAE pathway and take the end of pathway assessment.

**Students must complete two credits of the same world language for admission to Georgia Board of Regents colleges/universities.

**** Current graduation requirements should be met in all content areas.

NOTE: This plan represents minimum graduation requirements. Local systems may require additional coursework.

### Postsecondary Transition:

- Students who will continue their education in a Program of Study at one of the University System of Georgia institutions should prepare to take the ACT or SAT for admissions. Tests for admissions may vary from institution to institution. Contact the selected institution for specific testing information. Additional admissions information can be found at Staying On Course. ([www.usg.edu/student_affairs/documents/Staying_on_Course.pdf](http://www.usg.edu/student_affairs/documents/Staying_on_Course.pdf))
- Students who will continue their education in a Program of Study at one of the Technical College System of Georgia institutions should prepare to take the COMPASS test for admissions.
- Students who will continue their education and training in the US Military should take the ASVAB assessment.
- Students should utilize electronic college and career databases to select the most appropriate postsecondary opportunities to match their selected career field, including registered apprenticeships.
- Georgia’s dual-credit programs have been combined into one program entitled Move on When Ready, in which high school students may earn their high school course credits while taking college courses.

### Possible Student Pathway Credentialing Opportunities:

Students completing a pathway are eligible to take a Credentialing/End of Pathway Assessment (EOPA) upon successful completion of the three required courses in the pathway. For specific assessment information, refer to [http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/CTAE-Georgia-Assessments.aspx](http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/CTAE-Georgia-Assessments.aspx).

### Health Information Technology

Health IT is the application of information processing involving both computer hardware and software that deals with the storage, retrieval, sharing, and use of health care information, data, and knowledge for communication and decision making. Those working in Health IT are skilled professionals who understand both the Healthcare and Information Technology environments. Health care providers are using health IT to improve patient care.

Health IT is a broad field that includes many forms of integrated technology with healthcare systems including, but not limited to Electronic Health Records (EHR), e-Health tools, digital libraries, digital imaging systems, telemedicine, and mobile technology. Those employed in Health IT work closely with a variety of health professional teams and can find job opportunities in hospitals and with other healthcare providers, pharmaceutical companies, medical software companies, consulting companies, public health organizations, government and non-governmental agencies, insurance companies, and academia. People interested in this field should be able to utilize medical information, integrate technology as a problem-solving method, and be able to communicate in medical and technological terms.

Because of the advances in technology, the medical industry is taking full advantage of more efficient and effective ways to maintain enormous amounts of information regarding patient care and procedures. Applicants with strong technology skills and a strong understanding of medical terminology will find favorable opportunities in this pathway. In Georgia, medical records and health information technology jobs will increase by 26% and will have 250 annual job openings.

### Other Related Health Science Occupations:

- Epidemiologists
- Informatics Nurse Specialists
- Medical & Health Services Managers
- Medical Records & Health Information Techs
- Medical Secretaries
- Medical Transcriptionists
- Receptionists & Information Clerks

*ONET Online

### Related Pathway Occupations:

- Computer Programmers
- Computer Use Support Specialists
- Software Developers
- Registered Nurses