# Student Plan of Study – Health Information Technology

**Name:**

**Date:**

**School:**

**Parent/Guardian Signature:**

**Date:**

**Advisor/Counselor Signature:**

**Date:**

---

**Current Area of Interest:** Information Technology/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</th>
<th>II. Math</th>
<th>III. Science</th>
<th>IV. Social Studies</th>
<th>V. Health/Personal Fitness</th>
<th>VII. Possible electives in additional pathways (students should check the local course description catalog for these and other electives)</th>
</tr>
</thead>
</table>
| 9th | 1 CCGPS Cord. Algebra | 1 CCGPS Analytic Geometry | Biology or Approved Dual Enrollment Course | American Government/Civics or AP Government/Politics US or Approved Dual Enrollment Course | Health | **Advanced Academic Pathways**

English/Language Arts, Math, Science, Social Studies

An advanced academic pathway may be followed in any one of the content subjects listed above. Upon graduation, students earn an advanced academic pathway when they complete the required coursework to include at least one AP or one IB or one Dual Enrollment course. An advanced academic pathway should also include at least two credits in one world language. AP, Dual Enrollment and Georgia Virtual School courses may be available.

---

<table>
<thead>
<tr>
<th>Grade Level</th>
<th>I. English/Language Arts</th>
<th>II. Math</th>
<th>III. Science</th>
<th>IV. Social Studies</th>
<th>V. Health/Personal Fitness</th>
<th>VII. Possible electives in additional pathways (students should check the local course description catalog for these and other electives)</th>
</tr>
</thead>
</table>
| 10th | 1 CCGPS Analytic Geometry | 1 CCGPS Pre-Calculus | Physical Science or Physics or AP Physics or Approved Dual Enrollment Course | World History or AP World History or Approved Dual Enrollment Course | 1 credit **

**World Language Pathways**

**Two credits are required for admissions to University System Institutions.**

For a listing of world language courses offered at your high school, please check with your advisor, counselor, or local course description catalog. A world language pathway may be followed in any one of the world language areas included in the state list of approved courses. Upon graduation, students earn a world language pathway when they complete three credits in one language. The third course may reflect an AP, IB or Dual Enrollment designation. Georgia Virtual School and ACCEL courses may be available.

---

<table>
<thead>
<tr>
<th>Grade Level</th>
<th>I. English/Language Arts</th>
<th>II. Math</th>
<th>III. Science</th>
<th>IV. Social Studies</th>
<th>V. Health/Personal Fitness</th>
<th>VII. Possible electives in additional pathways (students should check the local course description catalog for these and other electives)</th>
</tr>
</thead>
</table>
| 11th | 1 CCGPS Adv Algebra | 1 CCGPS Pre-Calculus | Chemistry or Environmental Science or Earth Systems or AP/IB or Approved Dual Enrollment Course | United States History or AP US History or IB History of the Americas or Approved Dual Enrollment Course | 1 credit **

**Fine Arts/Performing Arts Pathways**

Visual Arts, Dance, Music, Journalism, Theatre

A fine arts pathway may be followed in any one of the five areas listed above. Upon graduation, students complete a fine arts/performing arts pathway when three courses have been successfully completed in any one of the five areas. A student should consult a counselor or advisor for related coursework. AP, Dual Enrollment and Georgia Virtual School courses may be available.

---

<table>
<thead>
<tr>
<th>Grade Level</th>
<th>I. English/Language Arts</th>
<th>II. Math</th>
<th>III. Science</th>
<th>IV. Social Studies</th>
<th>V. Health/Personal Fitness</th>
<th>VII. Possible electives in additional pathways (students should check the local course description catalog for these and other electives)</th>
</tr>
</thead>
</table>
| 12th | 1 CCGPS Pre-Cal or Calculus | 1 CCGPS Pre-Calculus | Any other of the previous courses or Human Anatomy & Phys or Epidemiology or Approved Dual Enrollment Course | Econ/Business/Free Enterprise or AP Macro Econ or AP Micro Econ or IB Econ or Approved Dual Enrollment Course | 1 credit **

**Other Elective Courses:**

Literary Types/Composition Journalism

Oral/Written Communication Speech

The required coursework for the Health IT or Approved Dual Enrollment Pathway is as follows:

- **Econ/Business/Free Enterprise/Advanced Placement:**
  - AP Econ (1 credit)
  - AP Micro Econ (1 credit)
  - AP Macro Econ (1 credit)
  - AP Micro Econ (1 credit)

- **IB:**
  - IB Econ (1 credit)

- **Dual Enrollment:**
  - An approved dual enrollment course (1 credit)

- **Advanced Placement:**
  - AP Econ (1 credit)

- **IB:**
  - IB Econ (1 credit)

- **Dual Enrollment:**
  - An approved dual enrollment course (1 credit)

---

**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 Program, Dual Enrollment, Advanced Placement (AP), International Baccalaureate (IB) and Work-Based Learning (WBL) to reach their educational and career goals.

---

**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. Students may take science courses in any sequence.*

*Math: Select 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.**

---

**Richard Woods, Georgia’s School Superintendent**

"Educating Georgia’s Future"
**SAMPLE Pathway OCCUPATIONS**  
See *Georgia’s HOT Careers to 2020* 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 2012-2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Informatics Nurse Specialists In Georgia Computer System Analysts</td>
<td>Bachelor's Degree</td>
<td>$73,800</td>
<td>810</td>
</tr>
<tr>
<td>Software Developers, Applications</td>
<td>Bachelor's Degree</td>
<td>$86,300</td>
<td>340</td>
</tr>
<tr>
<td><em>Computer Support Specialists</em></td>
<td>Some College No Degree Required</td>
<td>$57,900</td>
<td>830</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.**

<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. <em>Science</em></td>
<td>4</td>
<td>VII. and/or ***World Languages, and/or Fine Arts</td>
<td>4</td>
</tr>
<tr>
<td>IV. Social Studies</td>
<td>3</td>
<td>VIII. Electives</td>
<td>4</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>23</strong></td>
<td><strong>TOTAL</strong></td>
<td><strong>23</strong></td>
</tr>
</tbody>
</table>

**Current Georgia Graduation Rule**  
*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.**

**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)
- 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: To be determined**
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/Pages/CTAE-Georgia-Assessments.aspx](http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/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.