## Student Plan of Study—Therapeutic Services – Sports Medicine

### Current Area of Interest: Health Science/Therapeutic Services-Sports Medicine

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.

### Grade Level | I. English/Language Arts | II. Math | III. Science | IV. Social Studies | V. Health/Personal Fitness | VII. Possible electives in additional pathways (students should check the local course description catalog for these and other electives) | Total 4 credits
--- | --- | --- | --- | --- | --- | --- | ---
| 9th | 1 CCGPS Cord Algebra | 1 CCGPS Analytic Geo | Biology or Approved | American | Health | Advanced Academic Pathways |
| | 2 CCGPS Analytic Geo | Alg/Analytic Geo | Biology or Approved | Civic/CPAP | ½ credit | English/Language Arts, Math, Science, Social Studies
| | 3 CCGPS Accel Cord Geom | 4 CCGPS Accel Analytic Geom | Biology or Approved | Government/Politics U.S. or Approved Dual Enrollment Course | Credit Earned | 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, 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.
| | 1 credit * | 1 credit * | 1 credit | ½ credit | Credit Earned | World Health 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 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.
| | | | | | | 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 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.

### Grade Level | Courses: Literary Types/Composition | Other Math Elective Courses: | Other Science Elective Courses: | Other Social Studies Elective Courses: | Other CTAE Elective Courses: | Total 3 credits
--- | --- | --- | --- | --- | --- | ---
| 10th | 1 CCGPS Analytic Geometry | 1 CCGPS Pre-Calculus | 1 CCGPS Analytic Geometry/Adv. Algebra | 1 CCGPS Pre-Calculus | | 25-52100 Intro to Healthcare Science or Approved Dual Enrollment Course
| | 2 CCGPS Adv Algebra | 3 CCGPS Accel Analytic Geo/Adv. Algebra | 4 CCGPS Accel Pre-Calculus | 1 credit | | 1 credit
| | | | | | | Credit Earned

### Grade Level | Courses: Literary Types/Composition | Other Math Elective Courses: | Other Science Elective Courses: | Other Social Studies Elective Courses: | Other CTAE Elective Courses: | Total 1 credit
--- | --- | --- | --- | --- | --- | ---
| 11th | 1 CCGPS Adv Algebra | 1 CCGPS Pre-Calculus | 1 CCGPS Adv Algebra | 1 CCGPS Pre-Calculus | | 25-44000 Essentials of Healthcare or Approved Dual Enrollment Course
| | 2 CCGPS Pre-Calculus | 3 CCGPS Accel Pre-Cal | 4 CCGPS Calc or AP Calc | 1 credit | | 1 credit
| | | | | | | Credit Earned

### Grade Level | Courses: Literary Types/Composition | Other Math Elective Courses: | Other Science Elective Courses: | Other Social Studies Elective Courses: | Other CTAE Elective Courses: | Total 4 credits
--- | --- | --- | --- | --- | --- | ---
| 12th | 1 CCGPS Pre-Cal or Calculus or AP Calculus or AP Stats or IB Math or Approved Dual Enrollment Course | 1 CCGPS Pre-Cal or Calculus or AP Calculus or AP Stats or IB Math or Approved Dual Enrollment Course | Any other previous courses or Hum Anat & Phys Epidemiology or Approved Dual Enrollment Course | Econ/Business/Free Enterprise or AP Micro Econ or AP Micro Econ or IB Econ or Approved Dual Enrollment Course | 25-44400 Sports Medicine or Approved Dual Enrollment Course
| | 1 credit | 1 credit | 1 credit | ½ credit | | 1 credit
| | | | | | | Credit Earned

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**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: 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.

**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 Virtual School Programs, Dual Enrollment, Advanced Placement (AP), International Baccalaureate (IB) and Work Based Learning (WBL) to reach their educational and career goals.
**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>*Physical Therapists</td>
<td>Advanced Degree</td>
<td>$78,800</td>
<td>130</td>
</tr>
<tr>
<td>Exercise Physiologists</td>
<td>Advanced Degree</td>
<td>$44,300</td>
<td>N/A</td>
</tr>
<tr>
<td>Athletic Trainers</td>
<td>Bachelor’s Degree</td>
<td>$43,000</td>
<td>10</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>3</td>
</tr>
<tr>
<td>IV. Social Studies</td>
<td>3</td>
<td>VII. Electives</td>
<td>4</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>23</td>
<td></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/Pages/CTAE-Georgia-Assessments.aspx](http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/CTAE-Georgia-Assessments.aspx)

### Related Pathway Occupations:

- Athletic Trainers
- Physical Therapists
- Exercise Physiologists
- Kinesiotherapists
- Orthopedists

### Other Related Health Science Occupations:

- Occupational Therapists
- Dental Hygienists
- Medical & Health Services Managers
- Dentists, General

### Therapeutic Services-Sports Medicine

Careers in the Therapeutic Services pathway are focused primarily on changing the health status of the patient over time. Health professionals in this pathway work directly with patients and may provide care, treatment, counseling and health education information. National labor market information indicates that eight out of the top twenty fastest-growing occupations are in the Health Science industry. (OOH)

Based on an aging population and a retiring workforce, the demand for health care workers will remain high through 2020. As the roles of careers and Therapeutic Services change, professionals in this pathway will find increased opportunities to work independently. Additionally, an increasing number of career opportunities are becoming available outside of the traditional hospital setting.

Educational levels vary from occupation to occupation. Most Health Science occupations require additional education after high school and require that potential employees acquire the appropriate certification and/or licensing.

Workers in the Health Science industry must have a solid background in math, science, communications, and technical skills, be knowledgeable in their subject area, have the ability to communicate with others, and inspire trust and confidence.

Occupations in the Health Sciences represent the largest and fastest growing industry in the United States employing over 10 million workers in more than 200 careers.

Workers in sports medicine focus on improving the body’s performance, recovering from injury, and preventing future injuries. Sports medicine is one of the fastest growing areas of health care, providing specialized help to many “regular” people, as well as athletes.

Sports medicine professionals treat patients who participate in sports just for fun or want to get better results from their exercise program, patients who suffered injuries and want to regain full function, and people who have disabilities and want to increase their mobility and capabilities. Many careers in this field require degrees, and certification may improve chances to find a job.

Employment of athletic trainers is expected to grow by 30 percent from 2010-2020, much faster than the average for all occupations. As people become more aware of sports-related injuries at a young age, demand for athletic trainers is expected to increase, most significantly in schools and youth leagues.