### Student Plan of Study – Nutrition and Food Science

**Name ___________________ Date ___________________ School ___________________**

**Parent/Guardian Signature ___________________ Date ___________________ Advisor/Counselor Signature ___________________ Date ___________________**

Current Area of Interest: Human Services/Family and Consumer Sciences (Nutrition and Food Science). 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  
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>9th</td>
<td>4 credits</td>
</tr>
<tr>
<td>10th</td>
<td>4 credits</td>
</tr>
<tr>
<td>12th</td>
<td>4 credits</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>I. English/Language Arts</th>
<th>Total 4 credits</th>
<th>II. Math</th>
<th>Total 4 credits</th>
<th>III. Science</th>
<th>Total 4 credits</th>
<th>IV. Social Studies</th>
<th>Total 3 credits</th>
<th>V. Health/Personal Fitness</th>
<th>Total 1 credit</th>
</tr>
</thead>
</table>
| 9th Literature & Composition or Approved Dual Enrollment Course | 1 CCGPS Cord. Algebra I  
| 2 CCGPS Analytic Algebra I  
| 3 CCGPS Accel Cord. Geometry I  
| 4 CCGPS Accel Analytic Geometry I  
| 1 credit | 1 credit | 1 Credit Earned | 1 credit | 1 Credit Earned | 1 Credit Earned | 1 Credit Earned | 1 Credit Earned |
| 10th Literature & Composition or Approved Dual Enrollment Course | 1 CCGPS Pre-Calculus I  
| 2 CCGPS Adv. Algebra I  
| 3 CCGPS Accel Analytic Geometry I  
| 1 credit | 1 Credit Earned | 1 Credit Earned | 1 Credit Earned |
| American Literature/Composition or AP English Language & Composition/World Literature | 1 CCGPS Adv. Algebra I  
| 2 CCGPS Pre-Calculus I  
| 3 CCGPS Accel Pre-Calculus I  
| 4 CCGPS Accel Algebra I  
| 1 credit | 1 Credit Earned | 1 Credit Earned | 1 Credit Earned |
| 11th | 4 credits | 1 Credit Earned | 12th | 4 credits | 1 Credit Earned |
| Advanced Composition or British Literature or AP/IB English Literature & Composition or Approved Dual Enrollment Course | 1 CCGPS Pre-Calculus or Calculus or AP Calculus or AP Statistics or IB Math or Approved Dual Enrollment Course | 1 credit * | 1 credit * | 1 Credit Earned |
| Other English Elective Courses: Literary Types/Composition Journalism Oral/Written Communication Speech | 1 Credit Earned | 1 Credit Earned | 1 Credit Earned | 1 Credit Earned | 1 Credit Earned |

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: Advanced Placement (AP), International Baccalaureate (IB) and Work-Based Learning (WBL) courses are available to complete a related pathway.

### Expanded Course Options

- **III. Science**:
  - Any of the previous courses or Hum Anatomy and Physiology or Advanced Placement Biology or IB Biology or IB Statistics or IB Math or Approved Dual Enrollment Course

- **IV. Social Studies**:
  - Humanities or AP/IB/Soc Studies or Current Issues or Sociology

- **V. Health/Personal Fitness**:
  - Personal Fitness

- **VII. Possible electives in additional pathways (students should check the local course description catalog for these and other electives)**

- **Advanced Academic Pathways**
  - English/Language Arts, Math, Science, Social Studies

- **World Language Pathways**
  - **Students must complete two credits of the same world language for admission to University System of Georgia institutions.**

- **Fine Arts/Performing Arts Pathways**
  - Visual Arts, Dance, Music, Journalism, Theatre

**NOTE:** Local systems may offer core courses in a different sequence, not all local systems offer every pathway. Students should ensure 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.
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>Food Service Managers</td>
<td>High School</td>
<td>$43,400</td>
<td>340</td>
</tr>
<tr>
<td>Dietitians &amp; Nutritionists</td>
<td>Bachelor’s Degree</td>
<td>$49,400</td>
<td>80</td>
</tr>
<tr>
<td>Food Scientist &amp; Technologists</td>
<td>Bachelor’s Degree</td>
<td>$48,000</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. <strong>Career, Technical &amp; Agricultural Education</strong></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>
<tr>
<td>TOTAL</td>
<td></td>
<td></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 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:**
- Dietitians & Nutritionists
- Food Scientist & Technologists
- Dietetic Technicians
- Fitness & Wellness Coordinators
- Food Service Managers

**Other Related Human Services Occupations:**
- Personal Care Aides

*ONET Online

**Nutrition and Food Science**

Those working in the food and nutrition field help people lead healthier lives through a balanced diet. These people plan food and nutrition programs and supervise the preparation and serving of meals. They help prevent and treat illnesses by promoting healthy eating habits and by recommending dietary modifications. Other job opportunities in this field include managing food service systems for institutions, such as hospitals and schools; and promoting sound eating habits through education and conducting research. Food scientists analyze food to determine what causes it to break down or spoil. They focus on the safe preservation and processing of food, as well as the nutritional value.

Dieticians and nutritionists need at least a bachelor’s degree in dietetics, foods and nutrition, food service systems management or a related area. Those interested in research, advanced clinical positions or public health may need an advanced degree. Licensure varies by states, but 31 states do require licensure of dieticians.

Nutrition jobs are found in hospitals, nursing care facilities, outpatient care facilities, offices of physicians and other health practitioners, correctional facilities, health departments and other health-related areas.

Employment in this field is expected to grow faster than average through 2020, as a result of the increasing emphasis on disease prevention through improved dietary habits. A growing and aging population will increase the demand for meals and nutritional counseling in hospitals, residential care facilities, schools, prisons, community health programs and home health care agencies.

Richard Woods, Georgia’s School Superintendent
"Educating Georgia’s Future"