

Student Plan of Study – Flight Operations



Name _____ Date _____ School _____

Parent/Guardian Signature _____ Date _____ Advisor/Counselor Signature _____ Date _____

*Current Area of Interest: **Transportation, Distribution & Logistics/Flight Operations**- 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.***

Transportation, Distribution & Logistics

| Grade Level | I. English/Language Arts Total 4 credits | II. Math Total 4 credits | III. Science Total 4 credits | IV. Social Studies Total 3 credits | V. Health/Personal Fitness Total 1 credit | VII. Possible electives in additional pathways (students should check the local course description catalog for these and other electives) Total 4 credits |
|---|---|---|---|---|---|---|
| 9 | 9 th Literature & Composition or Approved Dual Enrollment Course 1 credit Credit Earned <input type="checkbox"/> | 1 CCGPS Cord Algebra 2 CCGPS Analytic Geometry 3 CCGPS Accel Cord Algebra/Analytic Geometry 4 CCGPS Accel Analytic Geom B/Adv. Algebra 1 credit * Credit Earned <input type="checkbox"/> | Biology or Approved Dual Enrollment Course 1 credit * Credit Earned <input type="checkbox"/> | American Government/Civics or AP Government/ Politics US or Approved Dual Enrollment Course ½ credit Credit Earned <input type="checkbox"/> | Health ½ credit Credit Earned <input type="checkbox"/> Personal Fitness ½ credit Credit Earned <input type="checkbox"/> *** VI. CTAE Pathway Total 3 credits | 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. |
| 10 | 10 th Literature & Composition or World Literature & Composition or Approved Dual Enrollment Course 1 credit Credit Earned <input type="checkbox"/> | 1 CCGPS Analytic Geometry 2 CCGPS Adv. Algebra 3 CCGPS Accel Analytic Geometry/Adv. Algebra 4 CCGPS Pre-Calculus 1 credit * Credit Earned <input type="checkbox"/> | Physical Science or Physics or AP Physics or Approved Dual Enrollment Course 1 credit * Credit Earned <input type="checkbox"/> | World History or AP World History or Approved Dual Enrollment Course 1 credit Credit Earned <input type="checkbox"/> | 47.46000 Fundamentals of Aerospace or Approved Dual Enrollment Course 1 credit Credit Earned <input type="checkbox"/> | 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 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. |
| 11 | American Literature/ Composition or AP English Language & Composition/American Lit or Approved Dual Enrollment Course 1 credit Credit Earned <input type="checkbox"/> | 1 CCGPS Adv. Algebra 2 CCGPS Pre-Calculus 3 CCGPS Accel Pre-Cal 4 CCGPS Cal or AP Cal 1 credit * Credit Earned <input type="checkbox"/> | Chemistry or Environmental Science or Earth Systems or AP/IB or Approved Dual Enrollment Course 1 credit * Credit Earned <input type="checkbox"/> | United States History or AP US History or IB History of the Americas or Approved Dual Enrollment Course 1 credit Credit Earned <input type="checkbox"/> | 47.46800 Flight Operations I or Approved Dual Enrollment Course 1 credit Credit Earned <input type="checkbox"/> | 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. |
| 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: Select Math sequence 1, 2, 3, 4, based on 9 th 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. |
| 12 | Advanced Composition or British Literature or AP/IB English Literature & Composition or Approved Dual Enrollment Course 1 credit Credit Earned <input type="checkbox"/> | CCGPS Pre-Cal or Adv Math Decision Making or Math of Ind. & Govern or AP Stats or IB Math or Approved Dual Enrollment Course 1 credit * Credit Earned <input type="checkbox"/> | Any of the previous courses or Meteorology or Astronomy or Approved Dual Enrollment Course 1 credit * Credit Earned <input type="checkbox"/> | Econ/Business/Free Enterprise or AP Macro Econ or AP Micro Econ or IB Econ or Approved Dual Enrollment Course ½ credit Credit Earned <input type="checkbox"/> | 47.46900 Flight Operations II or Approved Dual Enrollment Course 1 credit Credit Earned <input type="checkbox"/> | |
| Sample Elective Courses | Other English Elective Courses: Literary Types/Composition Journalism Oral/Written Communication Speech | Other Math Elective Courses: Adv Math Decision Making Math of Ind. & Govern Math of Finance | Other Science Elective Courses: Ecology or Earth Systems or AP/IB Science | Other Social Studies Elective Courses: Current Issues or AP/IB Soc Studies or Psychology or World Geography | Other CTAE Elective Courses: Other CTAE electives are available to complete a related pathway | 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. |

| SAMPLE Pathway OCCUPATIONS | | | |
|--|------------------------------------|------------------|---------------------------|
| See * Georgia's HOT Careers to 2020 for more information on high-skilled, high-wage and high-demand occupations. | | | |
| Occupation Specialties | Entry Level of Education Needed | 2012 Annual Wage | Annual Openings 2012-2020 |
| Air Traffic Controllers | Associate's Degree | \$123,800 | 40 |
| Commercial Pilots | Some College No Degree Required | \$88,800 | 80 |
| Airfield Operations Specialists | High School | \$45,400 | 40 |

Source: Georgia Department of Labor/ONET

| | |
|---|---|
| <p>*Related Pathway Occupations:</p> <p>Aerospace Engineering & Operations Technicians Avionics Inspectors Air Traffic Controllers Aircraft Cargo Handling Supervisors Airfield Operations Specialists Airline Pilots, Copilots & Flight Engineers Flight Attendants</p> | <p>Other Related Transportation, Distribution & Logistics Occupations:</p> <p>Avionics Technicians Aircraft Mechanics & Service Techs Aircraft Structure, Surfaces, Rigging & Systems Assemblers Electrical & Electronics Installers & Repairers</p> |
|---|---|

*ONET Online

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 | | | |
|--|---------|--|-----------|
| Coursework | Credits | Coursework | Credits |
| I. English/Language Arts | 4 | V. Health & Physical Education | 1 |
| II. Math | 4 | VI. **Career, Technical & Agricultural Education and/or ***World Languages, and/or Fine Arts | 3 |
| III. *Science | 4 | VII. Electives | 4 |
| IV. Social Studies | 3 | TOTAL | 23 |

*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 admission. 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>

Transportation, Distribution & Logistics/Flight Operations

Those employed in flight operations include aircraft pilots, flight engineers, flight attendants and air traffic controllers. The earnings of airline pilots are among the highest in the nation. Competition for jobs is expected to be strong through 2015. Job opportunities are expected to be best with regional and low-fare airlines. Many pilots usually start with smaller commuter and regional airlines to gain experience to qualify for higher paying jobs with national or major airlines. Commercial pilots have a faster than average growth pattern while other areas of employment remain steady or slow.

All pilots who transport passengers or cargo must have a commercial pilot's license with an instrument rating issued by the Federal Aviation Administration (FAA). Because of FAA regulations, airline pilots flying large aircraft cannot fly more than 100 hours a month or more than 1,000 hours a year. Most pilots have a variable work schedule that includes working several days on and several days off. Most pilots spend considerable time away from home because of overnight layovers. Commercial pilots may also have irregular schedules.

Most airlines require at least two years of college and prefer to hire college graduates. Pilots are employed in all areas of the U.S., but most airline pilots are based near major metropolitan areas.

Nearly all air traffic controllers are employed by the FAA. To become an air traffic controller, a person must enroll in an FAA-approved education program and pass a pre-employment test. Large numbers of controllers are expected to retire in the next decade, so job prospects are good even though competition to get into FAA training programs will be strong. Air traffic controllers do enjoy relatively high pay and good benefits.

Flight attendants provide personal services to ensure the safety, security, and comfort of airline passengers during flight. They greet passengers, verify tickets, explain use of safety equipment, and serve food or beverages. Customer service skills are critical to this employment.