



Dr. John D. Barge, State School Superintendent
"Making Education Work for All Georgians"

Student Plan of Study – Web & Digital Design

Name _____ Date _____ School _____

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

Current Area of Interest: Information Technology/Web & Digital Communications - 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 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 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
Information Technology	9 9 th Literature & Composition or Dual Enrollment 1 credit Credit Earned <input type="checkbox"/>	*1 CCGPS Cord Alg 2 CCGPS Analytic Geom 3 CCGPS Accel Cord Alg/Analytic Geom 4 CCGPS Accel Analytic Geom B/Adv Alg 1 credit Credit Earned <input type="checkbox"/>	*Biology or Dual Enrollment 1 credit Credit Earned <input type="checkbox"/>	American Government/Civics or AP Government/ Politics US or Dual Enrollment 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 Dual Enrollment 1 credit Credit Earned <input type="checkbox"/>	*1 CCGPS Analytic Geom 2 CCGPS Adv Algebra 3 Accel Analytic Geom/Adv Alg 4 CCGPS Pre-Calculus 1 credit Credit Earned <input type="checkbox"/>	*Physical Science or Physics or Dual Enrollment 1 credit Credit Earned <input type="checkbox"/>	World History or AP World History or Dual Enrollment 1 credit Credit Earned <input type="checkbox"/>	11.41500 Intro to Digital Technology or Dual Enrollment 1 credit Credit Earned <input type="checkbox"/>	World Language Pathways **2 credits 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 3 units 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 Dual Enrollment 1 credit Credit Earned <input type="checkbox"/>	*1 CCGPS Adv Alg 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 Dual Enrollment 1 credit Credit Earned <input type="checkbox"/>	United States History or AP US History or IB History of the Americas or Dual Enrollment 1 credit Credit Earned <input type="checkbox"/>	****Proposed course Digital Media & Communications or Dual Enrollment 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 2 years (2 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. ****Proposed courses are under development and review. NOTE: All courses do not follow the same sequence at the local level; 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.
12 Advanced Composition or British Literature or AP English Literature & Composition or Dual Enrollment 1 credit Credit Earned <input type="checkbox"/>	CCGPS Pre-Cal or Calculus or AP Cal or AP Stats or IB Math or Dual Enrollment 1 credit Credit Earned <input type="checkbox"/>	Any other of the previous courses or AP Computer Science or Dual Enrollment 1 credit Credit Earned <input type="checkbox"/>	Econ/Business/Free Enterprise or AP Macro Econ or AP Micro Econ or IB Econ or Dual Enrollment ½ credit Credit Earned <input type="checkbox"/>	****Proposed course Web Design or Dual Enrollment 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: Astronomy	Other Social Studies Elective Courses: Technology & Society Psychology Sociology	Other CTAE Elective Courses: AP and Georgia Virtual School may be available for CTAE courses	

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
Web Developers	Bachelor's Degree	\$79,600	National projected growth 20-28 %
*Computer System Analysts	Bachelor's Degree	\$78,000	810
Computer Programmers	Bachelor's Degree	\$72,500	190

Source: Georgia Department of Labor/ONET

Go to [GCollege411](http://www.GCollege411.org) at <http://www.GCollege411.org> for more information about your education and career planning, including valuable financial aid information that includes grants and scholarships.

**** 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 CTAE sequence of courses.
 **Students must complete 3 credits to complete CTAE pathway and take the end of pathway assessment.
 ***Students must complete 2 years 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 University System of Georgia institutions should prepare to take the ACT or SAT for admissions. Admission's testing varies from institution to institution. Students should contact the selected institution for specific testing information. Additional admissions information can be found at [Staying On Course](http://www.usg.edu/student_affairs/documents/Staying_on_Course.pdf). (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 U.S. Military should take the ASVAB assessment.
- Students should utilize [GCollege411](#) to select the most appropriate postsecondary opportunities to match their selected career field, including state registered apprenticeships.
- Students can earn both high school and postsecondary credit while in high school. Georgia has multiple [dual enrollment](#) program opportunities, including Accel, Dual HOPE, Move On When Ready and Articulation.

Possible Student Pathway Credentialing Opportunities:

- Adobe Certified Associate: Adobe Web Communication using Adobe Dreamweaver CS6
- Adobe Certified Associate: Adobe Visual Communication using Adobe Photoshop CS6
- Adobe Certified Associate: Adobe Rich Media Communication using Adobe Flash Professional CS6
- Certified Internet Web Professional: Site Development Associate
- Certified Internet Web Professional: Web Design Specialist and Internet and Computing Core Certification (IC3)

*Related Pathway Occupations:	Other Related Information Technology Occupations:
Web Developers	Web Administrators
Computer & Information Research Scientists	Computer & Information Systems Managers
Computer System Analysts	Computer Network Architects
Computer Programmers	Computer Operators
Software Developers	
Computer Systems	
Engineers/Architects (national data list this occupation as new and emerging-design and develop solutions to complex applications problems) ONET	

*ONET Online

Web & Digital Design

Information is valuable only when it is understood and utilized. Workers in digital media design bring ideas to life through technology whether creating a hot web site, a training video or designing the latest computer game.

Careers in web and digital communications involve creating, designing and producing interactive multimedia products and services, including the development of digitally-generated or computer-enhanced media used in business, training, entertainment, communications and marketing. Sample interactive media occupations include web designer, webmaster, 3d animator, virtual reality specialist, multimedia producer and graphic artist.

Organizations of all types and sizes use digital media (the World Wide Web, CD-ROM, DVD) to communicate with existing and potential customers, to track transactions and to collaborate with colleagues. Interactive media experts can find employment opportunities in organizations of all sizes and types, doing work such as creating e-business auction web sites that allow people around the world to buy and sell items in real-time.

Job prospects in the motion picture and video industry are excellent for multimedia artists and animators, film and video editors and others skilled in digital filming and computer-generated imaging. Graphic designers with web site design and animation experience will have good job opportunities. A Bachelor's degree is required for most entry-level positions. However, an associate's degree may be sufficient for technical positions.

Most primary occupations in the field will have numerous job opening in the coming years. The web is fast becoming a way of life for most of the world. Therefore, the industry is continually looking for bright well-educated individuals to develop faster and more efficient processes for creating and delivering information.