

PROGRAM OF STUDY: Web and Digital Design



This Program of Study may serve as a graduation guide for the next four plus years, along with other career planning and educational materials. Courses listed in this model may include recommended coursework and should be individualized to students' educational and career goals. Each graduation plan needs to meet minimum high school graduation requirements. Dual Enrollment courses can be high school academic and/or career technical education courses.

SECONDARY:					POSTSECONDARY:		
COURSE/ GRADE	NINTH	TENTH	ELEVENTH	TWELFTH	TCC	DIPLOMA OR AAS	BACHELOR OF SCIENCE
ENGLISH	9 th grade Lit/ Composition	10 th grade Lit/ Composition	American Lit/ Composition	World Lit/ Composition / British Lit	Entrance/Exit Point	Entrance/Exit Point	Entrance/Exit Point
MATHEMATICS	Coordinate Algebra / Algebra I	Analytic Geometry / Geometry	Advanced Algebra / Algebra II	Pre-calculus			
SCIENCE	Physical Science	Biology	Chemistry	Physics			
SOCIAL STUDIES	World History	Psychology	US History	Government (½ unit) Economics (½ unit)			
PATHWAY COMPLETER	Introduction to Digital Technology	Digital Design	Web Design	Another course in focus area, Work-Based Learning, or Youth Apprenticeship			
Industry Recognized Credential (Pathway Completer)		Visit the End of Pathway Assessment Page (see note below)					
Required/ Selective Electives	Health & Personal Fitness (can be taken in grades 9-12)	Financial Literacy	Introduction to Graphics and Design	Computer Science Principles	IS41 Web Site Designer Certificate Find the campus for the TCC options	IS53 Web Site Design Development Degree Find the campus for the Diploma, Degree options	The University System of Georgia offers students' higher education options at 30 institutions throughout the state, providing a wide range of academic programming including certificates and associate, baccalaureate, masters, doctoral and professional degrees. https://apps.ds.usg.edu/ords/?p=118:1:0
	Modern Language/Latin 2 units required for admissions to Georgia University System Colleges/Universities For a listing of Modern Language/Latin courses offered at your high school, please contact your advisor, counselor, or curriculum handbook.		Other Electives For a listing of other elective courses offered at your high school, please check with your advisor, counselor, or curriculum handbook.				

NOTE: Students have many options to **ENTER** and **EXIT** from their academic studies into the workforce. When a student graduates from high school, they are eligible to choose one of many **ENTRANCE POINT** options: **1.** Enroll in either a 2 or 4 year post-secondary program; **2.** Enroll in an apprenticeship program or the military; or **3.** Enter the workforce using technical skills learned in high school. When a student finishes a 2- or 4-year degree program, they may choose to **EXIT** and **1.** Enroll in an apprenticeship program or the military; **2.** Enroll in a professional university degree program; or **3.** Enter the workforce using technical skills learned.

Web and Digital Design Career Pathway Completers - Industry Credentialing for High School Students
Upon completion of sequenced courses in the Web and Digital Design Pathway, students are eligible to complete the Industry-Recognized student credential for fulfillment of the End of Pathway Assessment. Secondary students completing the Web and Digital Design pathway will be able to sit for the National Industry Credentialed assessment offered on-line from Adobe, CIW, and W3Schools. Once mastery is reached, students will receive recognition for completion and use this credential in conjunction with their job or continuing training. For specific assessment information, refer to: <http://bit.ly/GAInfoTech>.

Sample In Demand Careers in Georgia

Occupation Specialties	Level of Education Needed	Georgia Average Salary	Annual Average Openings in Georgia	2014 – 2024 Employment Outlook
Web Developers	Bachelor's Degree	\$79,306	338	In Demand, High Skill
Web Administrators	Bachelor's Degree	\$84,484	93	In Demand, High Skill
Computer System Analysts	Associates Degree	\$86,748	658	In Demand, High Skill
Graphic Designers	Bachelor's Degree	\$51,756	839	In Demand, High Skill

[Data link here.](#)

Go to [GAfutures at www.gafutures.org](http://www.gafutures.org) for more information about your education and career planning, including valuable financial information (grants and scholarships including HOPE Program, grants and loans, FAFSA, and CSS forms).

Career Enhancement Opportunities	Career-Related Education Activities <ul style="list-style-type: none"> • Career Awareness • Career Exploration • Instructional Related • Connecting <ul style="list-style-type: none"> • Work-Based Learning • Employability Skill Dev. • Cooperative Education • Internship • Youth Apprenticeship • Clinicals 	Postsecondary Options: <ul style="list-style-type: none"> • 4-Year Universities/Colleges • 2-Year Colleges • Technical Colleges • State Registered Apprenticeships • Special Purpose Schools • On-the-Job Training • Military 	Earning Postsecondary Credits While in High School <ul style="list-style-type: none"> • Dual Enrollment Program • Earn postsecondary credit while in high school • You can complete <ul style="list-style-type: none"> • Industry Credential • Technical Certificate of Credit (TCC) • Associates of Applied Science Degree • Bachelor's Degree • Who can help? <ul style="list-style-type: none"> • Parents • School Counselor • Advisor
	Postsecondary Transition <ul style="list-style-type: none"> • University System of Georgia Institutions: Admissions Testing <ul style="list-style-type: none"> • ACT or SAT • For More Information: <ul style="list-style-type: none"> • Contact the institution of your choice OR • Technical College System of Georgia <ul style="list-style-type: none"> • Placement Exam • United States Military <ul style="list-style-type: none"> • ASVAB Assessment • Use BRIDGE Law platform to inform decisions on postsecondary opportunities • Dual Enrollment <ul style="list-style-type: none"> • Earning high school course credits while taking college courses 		
Related Pathway Occupations		Other Related Occupations	
<ul style="list-style-type: none"> • Web Developers • Computer & Information Research Scientists • Computer System Analysts • Computer Programmers • Software Developers • Computer Systems Engineers/Architects 		<ul style="list-style-type: none"> • Web Administrators • Computer & Information Systems Managers • Computer Network Architects • Computer Operators 	
*ONET Online			

Web and Digital Design Pathway Description

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

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 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 due to the rate of technology change in business and reliance on mobile technology.

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 website design and animation experience will have good job opportunities. A bachelor's degree is required for most entry-level positions. However, an associate degree may be sufficient for technical positions.

Most primary occupations in the field will have numerous job openings 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.