

# Web and Digital Communication Curriculum

The Web and Digital Communications major is designed for students with a desire to pursue careers such as Photo Editor, Graphic Artist, Web Page Developer, Webmaster, Illustrator, 3D Animator, and Multimedia Specialist.

## Course 1: Fundamentals of Webpage Design and Development 1

This course is designed to provide students with the knowledge and skills needed to design, implement and maintain a website. Students create Web pages using HTML, Advanced HTML and a popular Web page software. Students develop a plan for posting, publicizing and promoting a Website.

## Course 2: Advanced Fundamentals of Webpage Design and Development 2

This course focuses on scripting, developing searching strategies, publishing skills, and serving information on a web server. Students develop World Wide Web pages that incorporate text, audio, video, and graphics using web authoring software, JAVA scripting, XHTML, and CSS. Students determine and employ methods to evaluate the design, functionality, and security of online information in various settings. This course teaches students how to use networks, including the Internet, for research and resource sharing.

## Course 3: Image Editing 1

This course is designed for the student interested in Web and Digital Communications. Students are instructed in the fundamental features of using digital imaging software in editing and designing both photos and graphics. Students also learn the use of technologies related to digital imaging such as: basic computer operations; file sharing across networks; digital scanning; digital photography; preparing documents for output to various types of high resolution printers, and color calibration.

## Courses 4: Digital Multimedia

This course covers basic multimedia concepts, processes, and applications including games, print publications, presentations, tutorials, simulations, virtual reality, and web sites. Students will design, develop, and create various interactive multimedia projects culminating with an e-portfolio.

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## Course 5: Elective

Students will choose 3 electives to take along side their required courses.  
Students may choose from the following:

Advanced Web Page Design and Development	Fundamentals of Computing
AP Principles of Computer Science	Image Editing 1
Computer Forensics	Informatics Course 1
Game Design	IT Fundamentals
GIS Technology 1	Digital Arts 1
GIS Technology 2	Digital Arts 2
Global Logistics Course 1	

Students will choose 3 electives to take along side their required courses.  
Students may choose from the following:

## Course 6: Elective Development

Advanced Web Page Design and Development	Fundamentals of Computing
AP Principles of Computer Science	Image Editing 1
Computer Forensics	Informatics Course 1
Game Design	IT Fundamentals
GIS Technology 1	Digital Arts 1
GIS Technology 2	Digital Arts 2
Global Logistics Course 1	