CAREER PATHWAY

INTERACTIVE MEDIA

Broadcast Technicians | Audio Visual Technicians | Film & Video Editors | Graphic Designers | Advertising Sales Agents | Web & Digital Interface Designers | Computer Programmers

CAREER TECHNICAL COURSES

7

8 Information Technology (7th-10th)

9 Programming (9th-10th)
Creating and Editing Digital Graphics (9th-10th)

10 Web Design (9th-10th)
Video and Sound (9th - 10th)

11 Design Techniques (11th-12th)
Animation (11th-12th)

12 Game Design (11th-12th)
Information Technology Capstone

INDUSTRY CREDENTIAL OPPORTUNITIES

Adobe Certified Professional - Photoshop CC - **4 Points**
Unity Certified User: Programmer - **4 Points**
Google AdWords - **3 Points**
Google Analytics - **3 Points**
Google IT Support Professional Certificate - **4 Points**
IC3 Digital Literacy GS6 - **2 Points**
CompTIA IT Fundamentals - **6 Points**
Exam 98-383:Microsoft MTA Introduction to Programming
    Using HTML & CSS - **4 Points**
Ohio Driver's License - **1 Point**
OSHA-10 - **1 Point**
CPR First Aid - **1 Point**
Leadership Excellence - Student - **3 Points**
Lean Six Sigma Yellow Belt - **3 Points**
Lean Six Sigma Green Belt - **6 Points**

COLLEGE CREDIT OPPORTUNITIES

Students who demonstrate proficiency in career tech courses in approved secondary programs can receive college credit for their approved coursework.

POTENTIAL PLACEMENT & INCOME - $

May 2022 State Occupational Employment and Wage Estimates for Ohio

Broadcast Technicians | $47,790
Film & Video Editors | $48,750
Audio & Video Technicians | $48,870
Graphic Designers | $57,370
Advertising Sales Agents | $62,960
Web & Digital Interface Designers | $81,890
Computer Programmers | $85,630

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CAREER CENTER

INTERACTIVE MEDIA CAREER PATHWAY

INFORMATION TECHNOLOGY

SUBJECT CODE 145005

This first course in the IT career field is designed to provide students with a working knowledge of computer concepts and essential skills necessary for work and communication in today's society. Students will learn safety, security, and ethical issues in computing and social networking. Students will also learn about input/output systems, computer hardware and operating systems, and office applications.

PROGRAMMING

SUBJECT CODE 145060

College Credit
CTPROG001
3 Credit Hours

In this course students will learn the basics of building simple interactive applications. Students will learn the basic units of logic: sequence, selection, and loop. Students will apply algorithmic solutions to problem-domain scenarios. Students will gain experience in using commercial and open source languages, programs, and applications.

CREATING AND EDITING DIGITAL GRAPHICS

SUBJECT CODE 145100

College Credit
CTGRPH001
3 Credit Hours

Students will learn to design, develop, and produce interactive media projects, web sites, and social media contexts. Students will demonstrate methods of creating professional quality media using commercial and open source software.

WEB DESIGN

SUBJECT CODE 145010

College Credit
CTIM004
3 Credit Hours

Students will learn the dynamics of the Web environment while pursuing an in-depth study of both Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS). Web based protocols such as FTP, TCP/IP, and HTTP will be addressed. Students will create a website with tag text elements, special characters, lines, graphics, hypertext links, and graphical tables.

VIDEO & SOUND

SUBJECT CODE 145110

College Credit
CTIM006
3 Credit Hours

Students will create professional video and audio productions for distribution in traditional and new media channels. Students will plan, produce, edit, and launch media products. Students will develop scripts and storyboards, compose shots and operate cameras, capture sounds using microphone hardware, apply special effect techniques, and edit to achieve the final product. Students will be able to use animation and graphic design for video.

DESIGN TECHNIQUES

SUBJECT CODE 145095

College Credit
CTIM008
3 Credit Hours

Students will learn techniques for transforming photographic images, through use of digital cameras, computers, and mobile devices. To accomplish this, they will learn software photo editing techniques including layering, color correction, masking, and special effects using current commercial and open source programs and applications.

ANIMATION

SUBJECT CODE 145115

College Credit
CTIM001
3 Credit Hours

Students will use animation and storyboarding techniques to plan the production of an animation project. Students will design from script and storyboard actions in the pre-production planning process. Students will use commercial and open source digital animation software to create finished animations, cartoons, and other short movies. They will accomplish this using animated text, character movements, voice, background sound, sound effects, camera movements, and multiple scenes.

GAME DESIGN

SUBJECT CODE 145090

This course will prepare students to design and program games using commercial and open source programs and applications. Students will learn industry standard programming language constructs to write programs that integrate classes, class methods, and class instances. Students will learn input method handling, animation, collision detection, game physics and basic artificial intelligence.

INFORMATION TECHNOLOGY CAPSTONE

SUBJECT CODE 145015

The capstone course provides opportunities for students to apply knowledge, attitudes and skills that were learned in Information Technology program in a more comprehensive and authentic way. Capstones often include project/problem based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience. This course can be delivered through a variety of delivery methods including cooperative education or internship.