Phillip O. Berry Academy of Technology

Career and Technical Education (CTE) Pathways

9th - Introduction to Adobe

10th – Adobe Visual Design

11th – Adobe Digital Design *

11th & 12th – Adobe Video Design *

GRAPHIC & DIGITAL DESIGN

A sequence of courses and the use of Adobe Creative Cloud software helps you develop skills in video and image manipulation, web develop - ment and visual communication. You develop logos and magazine layouts to help prepare you for Adobe certifications and a career in graphic art and design.

9th - AP Computer Science Principles

10th - Python Programming I

11th - AP Computer Science A

11th & 12th - Software Development Fundamentals *

SOFTWARE DEVELOPMENT

You gain a deep understanding of software development through exposure to the fundamentals of computer science in this pathway. After a grounding in basic concepts of computer science and how it is embedded into our everyday lives, you shift up to specific areas of focus in computer programming.

9th - Biomedical Technology I

10th - Principles of Biomedical Science

11th - Human Body Systems *

12th - Medical Interventions

BIOMEDICAL & HEALTH SCIENCE

This pathway prepares you to pursue health-related degrees and professions, offering a foundation of knowledge and skills. Areas of focus are ethics, pro - fessionalism, prevention (wellness), diagnostics, therapeutics and rehabilitation. You gain critical career knowledge through a series of work-based learning experiences.
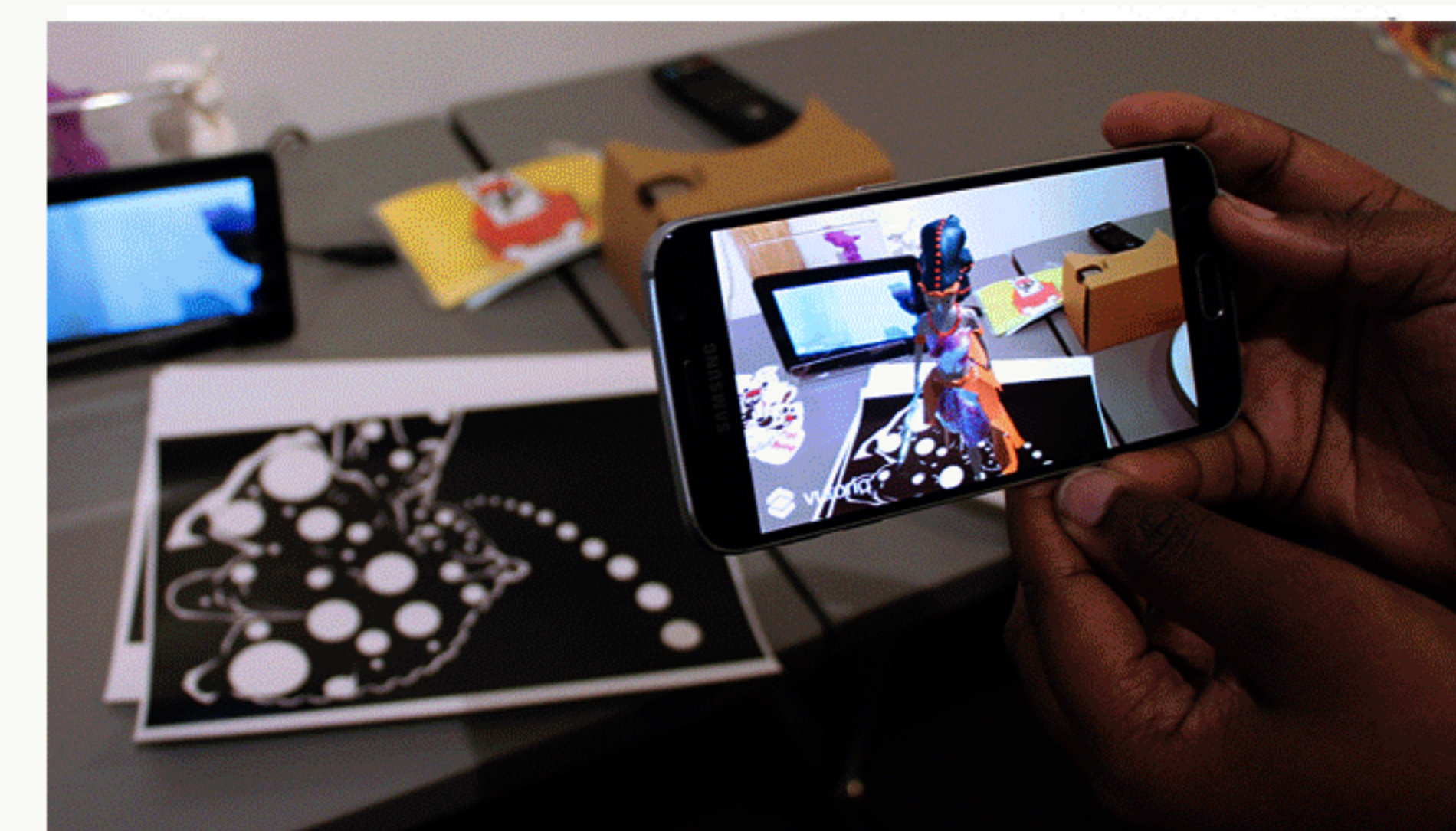
9th – Game Art Design

10th – Digital Design & Animation

11th – 3D Modeling

12th – Unity 3D Programming

GAME ART DESIGN

This pathway teaches the history of games and technology used to produce games, game ratings, game theory, how to prepare documents necessary to enter the game industry and game design. You produce a board-game prototype, develop and practice skills in 3D modeling and GameMaker, and produce a working 2D game. Instruction emphasizes visual design, evaluating, scripting and networking protocols, and legal issues as well as 3D visual theory.

Students are strongly recommended to take at least four technical credits from a pathway. At least three of the technical credits must come from the Foundational Courses with at least one at the completer level (*).