

# Georgia Standards: Introduction to Graphics and Design

PROGRAM CONCENTRATION: Graphic Communications and Design • COURSE #: 48.56100

## PROFESSIONAL CAREERS AND ETHICS

- AAVTC-IGD-1.** Demonstrate employability skills required by business and industry.
- AAVTC-IGD-2.** Explore careers available in the field of graphic communications and the design industry.
- AAVTC-IGD-3.** Discuss developments and individuals relating to the history of the graphics and design industry, and explore emerging trends and technologies.
- AAVTC-IGD-4.** Examine the professional and ethical issues involved in the visual communications and design industries.
- AAVTC-IGD-5.** Examine and describe the business cycle elements.

## ENVIRONMENTAL HEALTH AND SAFETY

- AAVTC-IGD-6.** Explain and demonstrate how to operate equipment in a safe manner.
- AAVTC-IGD-7.** Identify safety and health procedures utilized in the classroom/lab environment.

## BASIC MATH AND MEASUREMENTS FOR GRAPHIC COMMUNICATIONS

- AAVTC-IGD-8.** Demonstrate proper usage of measuring units and devices.
- AAVTC-IGD-9.** Recognize and utilize basic paper types and sizes for output.

## ILLUSTRATION, DESIGN, AND LAYOUT

- AAVTC-IGD-10.** Generate and manipulate various graphic imaging processes.
- AAVTC-IGD-11.** Analyze pre-press, pre-flight, and output operations.
- AAVTC-IGD-12.** Understand and demonstrate how to design a page layout.
- AAVTC-IGD-13.** Identify and define the five elements incorporated in basic graphic designs and understand the application of effective color usage.
- AAVTC-IGD-14.** Identify and produce files utilizing different digital formats.
- AAVTC-IGD-15.** Identify and demonstrate page layout terminology and tools.
- AAVTC-IGD-16.** Distinguish and demonstrate the difference between page layout, raster-based photo manipulation, and vector-based graphic software applications.

## TYPOGRAPHY

- AAVTC-IGD-17.** Discuss the origins of type by examining the evolution of letterforms.
- AAVTC-IGD-18.** Evaluate the function of typeface design in supporting legibility in a variety of media applications.

## GRAPHIC OUTPUT PROCESSES

- AAVTC-IGD-19.** Distinguish between the different print/output processes.
- AAVTC-IGD-20.** Explore the different electronic imaging processes.

## STUDENT ORGANIZATIONS

- AAVTC-IGD-21.** Examine how related student organizations are integral parts of career and technology education courses through leadership development, school and community service projects, and competitive events.