

(0510030300) Digital Design

Version: 2024

Program Attributes

- **CIP Number:** 0510030300
- **Program Number:** 8209600
- **Career Cluster:** Arts A/V Technology & Communication
- **Program Type:** High School – Career Preparatory
- **Grade Level:** 11, 12, 10, 9
- **Standard Length:** 6 Credit(s)
- **Standard Length:** *Refer to the Educator Certifications section*
- **Teacher Certification:** SkillsUSA Florida SkillsUSA
- **CTSO:**
- **SOC Codes:** Program Primary SOC: 271024 - Graphic Designers
Additional SOC: *Refer to the Related Careers (SOC Codes) section*
- **CTE Program Resources:** <http://www.fldoe.org/academics/career-adult-edu/career-tech-edu/program-resources.html>

Program Information

Purpose:

The purpose of this program is to prepare students for employment in the Digital Design industry as Information Technology Assistants, Production Assistants, Digital Assistant Designers, Graphic Designers, and Multimedia Designers.

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and the relevant technical knowledge and skills needed to prepare for further education and careers in the Arts, A/V Technology and Communication career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Arts, A/V Technology and Communication career cluster.

The content includes, but is not limited to, enhanced practical experiences in computer-generated art and text, graphic design, graphic production, digital design skills, preparation of digital layouts and illustrations, scanning, and the development of specialized multimedia presentations.

Additional Information relevant to this Career and Technical Education (CTE) program is provided at the end of this document.

Career and Technical Student Organization (CTSO):

SkillsUSA and Florida Family, Career and Community Leaders of America (FCCLA) are the co-curricular career and technical student organization(s) providing leadership training and reinforcing specific career and technical skills. Career and Technical Student Organizations provide activities for students as an integral part of the instruction offered.

Laboratory Activities:

Laboratory investigations that include scientific inquiry, research, measurement, problem solving, emerging technologies, tools and equipment, as well as, experimental, quality, and safety procedures are an integral part of this career and technical program/course. Laboratory investigations benefit all students by developing an understanding of the complexity and ambiguity of empirical work, as well as the skills required to manage, operate, calibrate and troubleshoot equipment/tools used to make observations. Students understand measurement error; and have the skills to aggregate, interpret, and present the resulting data. Equipment and supplies should be provided to enhance hands-on experiences for students.

Florida Standards for English Language Development (ELD):

English language learners communicate for social and instructional purposes within the school setting. ELD.K12.ELL.SI.1

English Language Development (ELD) Standards Special Notes:

Teachers are required to provide listening, speaking, reading and writing instruction that allows English language learners (ELL) to communicate for social and instructional purposes within the school setting. For the given level of English language proficiency and with visual, graphic, or interactive support, students will interact with grade level words, expressions, sentences and discourse to process or produce language necessary for academic success. The ELD standard should specify a relevant content area concept or topic of study chosen by curriculum developers and teachers which maximizes an ELL's need for communication and social skills. For additional information on the development and implementation of the ELD standards, please contact the Bureau of Student Achievement through Language Acquisition at sala@fldoe.org.

Accommodations:

Federal and state legislation requires the provision of accommodations for students with disabilities as identified on the secondary student's Individual Educational Plan (IEP) or 504 plan or postsecondary student's accommodations' plan to meet individual needs and ensure equal access. Accommodations change the way the student is instructed. Students with disabilities may need accommodations in such areas as instructional methods and materials, assignments and assessments, time demands and schedules, learning environment, assistive technology and special communication systems. Documentation of the accommodations requested and provided should be maintained in a confidential file.

In addition to accommodations, some secondary students with disabilities (students with an IEP served in Exceptional Student Education (ESE)) will need modifications to meet their needs. Modifications change the outcomes or what the student is expected to learn, e.g., modifying the curriculum of a secondary career and technical education course. Note: postsecondary curriculum and regulated secondary programs cannot be modified.

Some secondary students with disabilities (ESE) may need additional time (i.e., longer than the regular school year), to master the student performance standards associated with a regular course or a modified course. If needed, a student may enroll in the same career and technical course more than once. Documentation should be included in the IEP that clearly indicates that it is anticipated that the student may need an additional year to complete a Career and Technical Education (CTE) course. The student should work on different competencies and new applications of competencies each year toward completion of the CTE course. After achieving the competencies identified for the year, the student earns credit for the course. It is important to ensure that credits earned by students are reported accurately. The district's

information system must be designed to accept multiple credits for the same course number for eligible students with disabilities.

Cooperative Training - OJT:

On-the-job training is appropriate but not required for this program. Whenever offered, the rules, guidelines, and requirements specified in the OJT framework apply.

Program Structure

Digital Design

This program is a planned sequence of instruction consisting of six (6) credits.

To teach the courses listed below, instructors must hold at least one of the teacher certifications indicated for that course.

The following table illustrates the secondary program structure:

Program
0510030300 Digital Design
6 Child Components - 6 Required
CTE Course
Digital Information Technology
0 Child Components - 0 Required
CTE Course
Digital Design 1
0 Child Components - 0 Required
CTE Course
Digital Design 2
0 Child Components - 0 Required
CTE Course
Digital Design 3
0 Child Components - 0 Required
CTE Course
Digital Design 4
0 Child Components - 0 Required
CTE Course
Digital Design 5
0 Child Components - 0 Required

Standards and Benchmarks

After successfully completing this program, the student will be able to perform the following:

8209540 Digital Design 4

CTE-AATC.912.8209540.1 - Demonstrate mastery in digital publishing operations.

Demonstrate mastery in digital publishing operations.

CTE-AATC.912.8209540.1.1

Establish workflows using advanced features in desktop publishing software.

CTE-AATC.912.8209540.1.2

Create documents using advanced features in desktop publishing software.

CTE-AATC.912.8209540.2 - Demonstrate proficiency in website design.

Demonstrate proficiency in website design.

CTE-AATC.912.8209540.2.1

Compare and contrast various specialized web design programs.

CTE-AATC.912.8209540.2.2

Demonstrate proficiency using a WYSIWYG editor.

CTE-AATC.912.8209540.2.3

Understand how to prepare interactive components (hyperlinks, buttons, etc.).

CTE-AATC.912.8209540.3 - Compare and contrast various digital media delivery systems.

Compare and contrast various digital media delivery systems.

CTE-AATC.912.8209540.3.1

Explain the benefits and constraints of fixed versus streaming digital media.

CTE-AATC.912.8209540.3.2

Describe the variations in design considerations between the mass display and on-demand display of digital media.

CTE-AATC.912.8209540.3.3

Discuss the variations in design considerations related to digital signage.

CTE-AATC.912.8209540.3.4

Describe the design implications of digital images and/or graphics based on projected, mobile and Wi-Fi delivery media.

CTE-AATC.912.8209540.4 - Demonstrate advanced project design capabilities associated with digital publishing.
Demonstrate advanced project design capabilities associated with digital publishing.

CTE-AATC.912.8209540.4.1

Demonstrate advanced capabilities in the use of tools and techniques in digital publishing software applications (e.g., layout of a document, text, graphics, color/transparency, and output).

CTE-AATC.912.8209540.5 - Refine a portfolio (print and/or digital).

Refine a portfolio (print and/or digital).

CTE-AATC.912.8209540.5.1

Refine a portfolio.

CTE-AATC.912.8209540.5.2

Present an updated portfolio to an audience.

8209530 Digital Design 3

CTE-AATC.912.8209530.1 - Identify relevant career/college opportunities and produce required documents.

Identify relevant career/college opportunities and produce required documents.

CTE-AATC.912.8209530.1.1

Reinforce competence in job interview skills and techniques.

CTE-AATC.912.8209530.1.2

Create a professional résumé and letter of introduction.

CTE-AATC.912.8209530.1.3

Procure letters of recommendation; list awards, certifications and recognition received.

CTE-AATC.912.8209530.2 - Demonstrate the ability to independently set, design and evaluate project requirements, project planning, model project planning and utilize the design process.

Demonstrate the ability to independently set, design and evaluate project requirements, project planning, model project planning and utilize the design process.

CTE-AATC.912.8209530.2.1

Demonstrate knowledge of project management tasks and responsibilities.

CTE-AATC.912.8209530.2.2

Evaluate solutions to ensure the sustainability and effectiveness of a digital design product (e.g., visual appeal, audience, media, and market research).

CTE-AATC.912.8209530.2.3

Practice basic usability, readability, and accessibility standards.

CTE-AATC.912.8209530.2.4

Recommend final design based on the relationship between design criteria and design constraints.

CTE-AATC.912.8209530.2.5

Utilize a variety of approaches to solve digital design problems.

CTE-AATC.912.8209530.3 - Demonstrate understanding in creating a simple webpage.

Demonstrate understanding in creating a simple webpage.

CTE-AATC.912.8209530.3.1

Convert publications for viewing on the Internet.

CTE-AATC.912.8209530.3.2

Optimize images and files for the web.

CTE-AATC.912.8209530.3.3

Create a simple webpage and use hyperlinks.

CTE-AATC.912.8209530.3.4

Develop awareness of acceptable website design.

CTE-AATC.912.8209530.3.5

Demonstrate an understanding of WYSIWYG editors.

CTE-AATC.912.8209530.4 - Demonstrate an advanced understanding in digital publishing operations.

Demonstrate an advanced understanding in digital publishing operations.

CTE-AATC.912.8209530.4.1

Produce multiple projects using a variety of software programs.

CTE-AATC.912.8209530.4.2

Demonstrate the ability to prepare output files.

CTE-AATC.912.8209530.4.3

Demonstrate proficiency in the use of a raster-based illustration program.

CTE-AATC.912.8209530.4.4

Demonstrate proficiency in the use of a vector-based illustration program.

CTE-AATC.912.8209530.5 - Demonstrate the ability to create a multimedia presentation.
Demonstrate the ability to create a multimedia presentation.

CTE-AATC.912.8209530.5.1

Create and incorporate multimedia files; add audio, links, images/photos, and video.

CTE-AATC.912.8209530.5.2

Demonstrate the ability to create a multimedia PDF.

CTE-AATC.912.8209530.5.3

Demonstrate proficiency in the use of 2D and 3D animation effects.

CTE-AATC.912.8209530.5.4

Create links in webpages, PDF files, and other documents.

CTE-AATC.912.8209530.5.5

Optimize images for Internet publication.

CTE-AATC.912.8209530.5.6

Incorporate multimedia elements into digitally delivered documents/products.

CTE-AATC.912.8209530.5.7

Generate presentation following accessibility guidelines.

CTE-AATC.912.8209530.5.8

Generate presentations with embedded content.

CTE-AATC.912.8209530.6 - Demonstrate advanced knowledge and skills relative to the design process.
Demonstrate advanced knowledge and skills relative to the design process.

CTE-AATC.912.8209530.6.1

Demonstrate the ability to represent a concept.

CTE-AATC.912.8209530.6.2

Determine the most effective software applications for the digital design problem.

CTE-AATC.912.8209530.6.3

Use communication, analysis, and design skills to define project specifications that meet the client's needs/desires; include purpose, mood, and audience.

CTE-AATC.912.8209530.6.4

Demonstrate increased proficiency in the use of tools and techniques in desktop/digital publishing software applications (e.g.,

layout, text, graphics, color and transparency, and output).

CTE-AATC.912.8209530.6.5

Define, design, and complete digital design projects; account for time and resources.

CTE-AATC.912.8209530.6.6

Create a project plan to account for the time and resources to complete the project.

CTE-AATC.912.8209530.6.7

Facilitate project completion based on a documented plan related to the design process.

CTE-AATC.912.8209530.7 - Demonstrate proficiency in digital photography.

Demonstrate proficiency in digital photography.

CTE-AATC.912.8209530.7.1

Demonstrate proficiency in adjusting the hardware features (e.g., manual settings, shutter speed, and f-stops) of a basic digital single-lens reflex camera (DSLR or digital SLR).

CTE-AATC.912.8209530.7.2

Demonstrate knowledge of editing processes on smartphone devices; recognize the availability of apps related to photograph editing.

CTE-AATC.912.8209530.7.3

Demonstrate understanding of white balance and ISO.

CTE-AATC.912.8209530.7.4

Understand the role of lighting in photographic composition; develop an awareness of and use the three-point lighting concept.

CTE-AATC.912.8209530.7.5

Use imaging techniques (e.g., High Dynamic Range, panoramic, long exposure, stop motion, and time lapse) to achieve different artistic effects.

CTE-AATC.912.8209530.7.6

Demonstrate the use of various photography techniques (e.g., black and white photography, macro photography).

CTE-AATC.912.8209530.7.7

Demonstrate knowledge of photography by creating a variety of photos that include appropriate composition, framing, and point-of-view (POV).

CTE-AATC.912.8209530.8 - Plan, organize, and carry out collaborative digital design projects.

Plan, organize, and carry out collaborative digital design projects.

CTE-AATC.912.8209530.8.1

Apply the design process to determine the scope of a project.

CTE-AATC.912.8209530.8.2

Identify the resources required for the project.

CTE-AATC.912.8209530.8.3

Organize a team and Assign specific tasks according to individual strengths.

CTE-AATC.912.8209530.8.4

Develop a project plan (conduct research, design, development, and evaluation activities) for the project.

CTE-AATC.912.8209530.8.5

Determine project priorities and the timeline for completion.

CTE-AATC.912.8209530.8.6

Carry out the project plan to successful completion.

CTE-AATC.912.8209530.8.7

Create a presentation to articulate the problem, the solution, the selected process, conclusions, and lessons learned (self-reflection).

CTE-AATC.912.8209530.9 - Demonstrate proficiency in the creation of a digital design product using mobile communication devices.

Demonstrate proficiency in the creation of a digital design product using mobile communication devices.

CTE-AATC.912.8209530.9.1

Design and create digital design products suitable for delivery via multiple media options (e.g., smartphones, tablets, and laptops).

CTE-AATC.912.8209530.9.2

Examine the design implications of products intended for delivery via mobile devices.

CTE-AATC.912.8209530.9.3

Compare and contrast the security and privacy issues associated with different delivery media, particularly in regard to social media.

CTE-AATC.912.8209530.9.4

Reinforce the implications of copyright and compare various licensing practices.

CTE-AATC.912.8209530.10 - Create a portfolio (print and/or digital).

Create a portfolio (print and/or digital).

CTE-AATC.912.8209530.10.1

Assess personal interests and create an individual career plan that reflects the transition from school to work, lifelong learning, and personal and professional goals.

CTE-AATC.912.8209530.10.2

Prepare a traditional (hard copy) portfolio.

CTE-AATC.912.8209530.10.3

Prepare a digital portfolio.

CTE-AATC.912.8209530.10.4

Identify opportunities to present the portfolio to an audience.

CTE-AATC.912.8209530.10.5

Refine and implement a plan to facilitate personal growth and skill development related to career opportunities in digital design.

CTE-AATC.912.8209530.10.6

Incorporate a résumé and letter of interest in portfolio

8207310 Digital Information Technology

CTE-AATC.912.8207310.1 - Demonstrate knowledge, skill, and application of information technology to accomplish job objectives and enhance workplace performance.

Demonstrate knowledge, skill, and application of information technology to accomplish job objectives and enhance workplace performance.

CTE-AATC.912.8207310.1.1

Develop keyboarding skills to enter and manipulate text and data.

CTE-AATC.912.8207310.1.2

Describe and use current computer technology and software to perform personal and business related tasks in the workplace (e.g., e-mail, digital calendars, meetings, appointments).

CTE-AATC.912.8207310.1.3

Differentiate between types of file systems and classify common file extensions based on software application programs used in the workplace environment.

CTE-AATC.912.8207310.1.4

Utilize the Internet to find reliable resources and reference materials (e.g., on-line help, tutorials, manuals).

CTE-AATC.912.8207310.1.5

Apply research strategies to use and evaluate electronic research technologies for valid and reliable information.

CTE-AATC.912.8207310.1.6

Demonstrate basic computer file management skills (e.g., naming, saving, retrieving, and organizing).

CTE-AATC.912.8207310.1.7

Analyze the process of troubleshooting problems with computer hardware peripherals, including input and output devices.

CTE-AATC.912.8207310.1.8

Describe ethical issues and problems associated with computers and information technology (e.g., fair use, privacy, public domain, copyright, piracy, plagiarism).

CTE-AATC.912.8207310.1.9

Explain the history and purpose of various operating systems (e.g., DOS, Windows, Mac, and Unix/Linux).

CTE-AATC.912.8207310.2 - Develop an awareness of microcomputers.

Develop an awareness of microcomputers.

CTE-AATC.912.8207310.2.1

Explain the general architecture of a microcomputer system.

CTE-AATC.912.8207310.2.2

Explain the need for and demonstrate proficiency using common peripherals (e.g., printers, mouse, keyboard, external hard drive, flash drive).

CTE-AATC.912.8207310.2.3

Examine the concepts of computer maintenance and upgrades.

CTE-AATC.912.8207310.3 - Demonstrate an understanding of networks.

Demonstrate an understanding of networks.

CTE-AATC.912.8207310.3.1

Differentiate between types of networks and how they work (e.g., clients, servers, Wi-Fi, teleconference)

CTE-AATC.912.8207310.3.2

Identify security needs within a network environment (e.g., antivirus software, passwords).

CTE-AATC.912.8207310.3.3

Distinguish between intranets, extranets and how they relate to the Internet.

CTE-AATC.912.8207310.3.4

Demonstrate basic understanding of cloud computing.

CTE-AATC.912.8207310.4 - Use word processing applications to enhance the effectiveness of various types of documents and communication.

Use word processing applications to enhance the effectiveness of various types of documents and communication.

CTE-AATC.912.8207310.4.1

Select and use word processing software and accompanying features to create and enhance various written business

communications (e.g., memos, reports, block business letters).

CTE-AATC.912.8207310.4.2

Save and export documents in various formats (e.g., pdf, html, blog, hyperlinks).

CTE-AATC.912.8207310.4.3

Format text content in a document (e.g., font, paragraph attributes, spacing, text styles, text boxes).

CTE-AATC.912.8207310.4.4

Manipulate page layout and reusable content (e.g., page setup, themes, templates, page backgrounds, headers and footers).

CTE-AATC.912.8207310.4.5

Perform various image-editing tasks using word-processing software to create and format images, illustrations, shapes, etc.

CTE-AATC.912.8207310.4.6

Proofread and revise documents by validating content through the use of word processing tools (e.g. spell check, thesaurus, find/replace, autocorrect settings).

CTE-AATC.912.8207310.4.7

Insert citations and hyperlinks, create end and footnotes, and create a table of contents in a document.

CTE-AATC.912.8207310.4.8

Perform various mail merge options, macros and tracking revisions.

CTE-AATC.912.8207310.4.9

Demonstrate an understanding of fonts (serif and sans serif) and font styles (bold, italic, etc.)

CTE-AATC.912.8207310.5 - Use presentation applications to enhance communication skills.

Use presentation applications to enhance communication skills.

CTE-AATC.912.8207310.5.1

Manage and configure the presentation software environment (e.g., adjusting views, manipulating slide settings, configuring toolbar and file options).

CTE-AATC.912.8207310.5.2

Use presentation software to format and edit slides (e.g., adding and removing slides, slide layouts, format slide design, insert or format placeholders).

CTE-AATC.912.8207310.5.3

Locate, create and incorporate graphical and multimedia elements, including: shapes, graphics, images, bullets, hyperlinks, video, and audio into a slide presentation.

CTE-AATC.912.8207310.5.4

Enhance overall visual presentation by applying font selection, design themes, color schemes, templates, etc.

CTE-AATC.912.8207310.5.5

Create and manipulate graphical and multimedia elements using additional styles and effects (e.g., color selections, tone, contrast, shadows, picture styles).

CTE-AATC.912.8207310.5.6

Demonstrate various business-related elements that can be created, embedded and manipulated in a slide presentation, including: charts, graphs, tables, media, spreadsheets, and illustrations.

CTE-AATC.912.8207310.5.7

Customize presentation settings by using appropriate slide transitions and animations (e.g., on click, rehearsed timings)

CTE-AATC.912.8207310.5.8

Demonstrate different delivery methods for slide presentations, including: online delivery and sharing, video projection, printing options.

CTE-AATC.912.8207310.6 - Use spreadsheet applications to enhance communication skills.

Use spreadsheet applications to enhance communication skills.

CTE-AATC.912.8207310.6.1

Manipulate the worksheet by using the ribbon tabs, group settings, importing data/database, manipulating properties, files and folders.

CTE-AATC.912.8207310.6.2

Create cell data and apply auto fill.

CTE-AATC.912.8207310.6.3

Format cells and worksheets (e.g., by applying and manipulating cell formats, styles, merging and splitting cells, create row and column titles, hide and unhide column titles, rows and columns, page setup options, and manipulating views/themes).

CTE-AATC.912.8207310.6.4

Create and analyze formulas and functions (e.g., apply conditional formula logic, name and cell ranges).

CTE-AATC.912.8207310.6.5

Create and modify charts and images. (e.g., pivot tables)

CTE-AATC.912.8207310.6.6

Share worksheet data through various system (e.g., email, external media, cloud storage, mail merge).

CTE-AATC.912.8207310.6.7

Analyze and organize data through filters, sorting and applying conditional formatting. (e.g., macros)

CTE-AATC.912.8207310.6.8

Interpret data on line graphs, pie charts, diagrams, and tables.

CTE-AATC.912.8207310.7 - Use database applications to store and organize data.

Use database applications to store and organize data.

CTE-AATC.912.8207310.7.1

Create different forms for inputting data into a database application.

CTE-AATC.912.8207310.7.2

Interpret queries for specialized reports using a database application.

CTE-AATC.912.8207310.7.3

Create and modify a database by importing data from other sources.

CTE-AATC.912.8207310.7.4

Create and manage database tables by hiding fields, importing data, adding total rows.

CTE-AATC.912.8207310.7.5

Modify queries by renaming, adding/removing fields, sorting, formatting, and adding calculated fields.

CTE-AATC.912.8207310.7.6

Create and format reports with multiple columns, calculated fields and images.

CTE-AATC.912.8207310.8 - Use electronic mail to enhance communication skills.

Use electronic mail to enhance communication skills.

CTE-AATC.912.8207310.8.1

Describe and perform e-mail capabilities and functions (e.g., create, send, & forward messages, organize email folders, manage signature and automated messages, configure message sensitivity, security and delivery options).

CTE-AATC.912.8207310.8.2

Perform e-mail activities (e.g., attach external files, save e-mail attachments, view mailbox details, schedule appointments, create contact groups).

CTE-AATC.912.8207310.8.3

Demonstrate an understanding of the ethical issues associated with electronic correspondences (e.g., employer's ownership of email, public access of government email, appropriate uses in the workplace, phishing attacks, permanence of electronic communications on the internet).

CTE-AATC.912.8207310.8.4

Describe the need for and appropriate use of electronic mailing list software applications (e.g., listserv).

CTE-AATC.912.8207310.9 - Investigate individual assessment and job/career exploration and individual career planning that reflect the transition from school to work, lifelong learning, and personal and professional goals.
Investigate individual assessment and job/career exploration and individual career planning that reflect the transition from school to work, lifelong learning, and personal and professional goals.

CTE-AATC.912.8207310.9.1

Analyze personal skills and aptitudes in comparison with various business related job and career options. (i.e., hard and soft skills)

CTE-AATC.912.8207310.9.2

Use career resources to develop and analyze occupations and opportunities for internships, continuing education and on-the-job training.

CTE-AATC.912.8207310.9.3

Exhibit job-seeking skills required for entry-level employment, including resume, online job search, cover letter, online/hard copy application, mock interview, interview thank you letter, and follow-up call.

CTE-AATC.912.8207310.9.4

Design, implement, and evaluate a plan to facilitate growth and skill development related to anticipated job requirements and career expectations.

CTE-AATC.912.8207310.9.5

Demonstrate an awareness of specific job requirements and career paths (e.g., education, certifications, skills, previous experience) in business environments.

CTE-AATC.912.8207310.9.6

Demonstrate an awareness of the potential impact of local and global trends on career plans and life goals.

CTE-AATC.912.8207310.9.7

Describe the importance of building community and mentor relationships in a variety of professional and workplace situations.

CTE-AATC.912.8207310.9.8

Simulate work-based projects in an information technology environment

CTE-AATC.912.8207310.10 - Incorporate appropriate leadership and supervision techniques, customer service strategies, and standards of personal ethics to accomplish job objectives and enhance workplace performance.
Incorporate appropriate leadership and supervision techniques, customer service strategies, and standards of personal ethics to accomplish job objectives and enhance workplace performance.

CTE-AATC.912.8207310.10.1

Demonstrate awareness of the following workplace essentials: quality customer service; business ethics; confidentiality of

information; copyright violations; accepted workplace rules, regulations, policies, procedures, processes, and workplace safety, and appropriate attire and grooming.

CTE-AATC.912.8207310.10.2

Demonstrate ways of accepting and providing constructive criticism to enhance team projects.

CTE-AATC.912.8207310.10.3

Apply appropriate strategies to manage and resolve conflicts in work situations.

CTE-AATC.912.8207310.10.4

Demonstrate personal and interpersonal skills appropriate for the workplace (e.g., responsibility, dependability, punctuality, integrity, positive attitude, initiative, respect for self and others, and professional dress).

CTE-AATC.912.8207310.11 - Demonstrate competence using computer networks, internet and online databases to facilitate collaborative or individual learning and communication.

Demonstrate competence using computer networks, internet and online databases to facilitate collaborative or individual learning and communication.

CTE-AATC.912.8207310.11.1

Demonstrate how to connect to the Internet and identify and describe web terminology, addresses and how browsers work.

CTE-AATC.912.8207310.11.2

Demonstrate proficiency using basic features of GUI (Graphical User Interface) browsers, including: bookmarks, basic configurations, e-mail configurations, and address books.

CTE-AATC.912.8207310.11.3

Describe appropriate browser security configurations.

CTE-AATC.912.8207310.11.4

Describe information technology terminology, including Internet, intranet, ethics, copyright laws, and regulatory control.

CTE-AATC.912.8207310.11.5

Demonstrate proficiency using search engines and search tools (e.g., Boolean search strategies).

CTE-AATC.912.8207310.11.6

Use various web tools, including: downloading files, transfer of files, extensions, PDF, plug-ins, and data compression.

CTE-AATC.912.8207310.11.7

Differentiate between different domain extensions (e.g., .com, .org, .gov, .edu, etc.).

CTE-AATC.912.8207310.12 - Develop awareness of computer languages, web-based & software applications, and emerging technologies.

Develop awareness of computer languages, web-based & software applications, and emerging technologies.

CTE-AATC.912.8207310.12.1

Compare and contrast the appropriate use of various software applications. (e.g., word processing, desktop publishing, graphic design, web browser, e-mail, presentation, database, scheduling, financial management, Java applet, music)

CTE-AATC.912.8207310.12.2

Explain and describe the need for web-based applications (e.g., sharing photos and video clips, messaging, chatting and collaborating).

CTE-AATC.912.8207310.12.3

Express an understanding of basic terminology used in programming (e.g., algorithm, binary, code, block-based, objects, functions).

CTE-AATC.912.8207310.12.4

Compare and contrast emerging technologies and describe how they impact business in the global marketplace (e.g., wireless network, tablets, cell phones, satellite technology, nanotechnology, smart devices, home networks).

CTE-AATC.912.8207310.13 - Demonstrate an understanding of basic html by creating a simple web page.

Demonstrate an understanding of basic html by creating a simple web page.

CTE-AATC.912.8207310.13.1

Create a basic web page.

CTE-AATC.912.8207310.13.2

Use basic storyboarding techniques.

CTE-AATC.912.8207310.13.3

Use basic functions of WYSIWYG editors.

CTE-AATC.912.8207310.13.4

Use basic functions of HTML, DHTML, and XML editors and converters.

CTE-AATC.912.8207310.13.5

Enhance web pages through the addition of images and graphics.

CTE-AATC.912.8207310.14 - Demonstrate comprehension and communication skills.

Demonstrate comprehension and communication skills.

CTE-AATC.912.8207310.14.1

Read and comprehend technical and non-technical reading assignments related to course content (e.g., manuals, books, magazines, electronic sources).

CTE-AATC.912.8207310.14.2

Use verbal and nonverbal skills to communicate effectively with supervisors, co-workers, and customers.

CTE-AATC.912.8207310.14.3

Demonstrate an understanding of the writing process to create business documents (e.g., research methods, paper formatting (MLA/APA)).

CTE-AATC.912.8207310.14.4

Demonstrate an awareness of project management concepts and tools (e.g., timelines, deadlines, resource allocation, time management, delegation of tasks, collaboration).

CTE-AATC.912.8207310.15 - Use social media to enhance online communication and develop an awareness of a digital footprint.

Use social media to enhance online communication and develop an awareness of a digital footprint.

CTE-AATC.912.8207310.15.1

Create and develop a professional social media presence (e.g., LinkedIn) to connect with potential employers, follower influencers, enhance networking opportunities, develop soft skills through written communication, and establish a professional business image.

CTE-AATC.912.8207310.15.2

Cultivate and manage awareness of digital identity and reputation.

CTE-AATC.912.8207310.15.3

Develop awareness of the permanence of actions and social awareness in the digital world.

CTE-AATC.912.8207310.15.4

Develop awareness of data-collection technology contributing to their digital footprint.

8209520 Digital Design 2

CTE-AATC.912.8209520.1 - Perform critical thinking activities.

Perform critical thinking activities.

CTE-AATC.912.8209520.1.1

Research a digital design problem and determine the most appropriate problem-solving method to enhance the functional, economic, and ethical viability of a project.

CTE-AATC.912.8209520.1.2

Use critical thinking skills to evaluate information and select relevant material.

CTE-AATC.912.8209520.2 - Demonstrate the ability to set project requirements, engage in project planning, and utilize the design process.

Demonstrate the ability to set project requirements, engage in project planning, and utilize the design process.

CTE-AATC.912.8209520.2.1

Produce final designs based on specifications.

CTE-AATC.912.8209520.2.2

Make decisions based on specifications.

CTE-AATC.912.8209520.2.3

Explain the relationship between design criteria and design constraints.

CTE-AATC.912.8209520.3 - Demonstrate an intermediate understanding of typography.

Demonstrate an intermediate understanding of typography.

CTE-AATC.912.8209520.3.1

Demonstrate an understanding of the history of typography.

CTE-AATC.912.8209520.3.2

Describe the principles of typographic design as they relate to digital design.

CTE-AATC.912.8209520.3.3

Compare and contrast the techniques of typographic communication relative to appropriateness and effectiveness.

CTE-AATC.912.8209520.3.4

Demonstrate proficiency in incorporating typographic techniques into a communication design.

CTE-AATC.912.8209520.4 - Demonstrate skills in the use of vector software applications.

Demonstrate skills in the use of vector software applications.

CTE-AATC.912.8209520.4.1

Demonstrate skill in vector image manipulation, color correction, and special effects.

CTE-AATC.912.8209520.4.2

Demonstrate ability to convert vector files to raster files.

CTE-AATC.912.8209520.5 - Demonstrate an intermediate understanding in digital publishing operations.

Demonstrate an intermediate understanding in digital publishing operations.

CTE-AATC.912.8209520.5.1

Produce a variety of color designs using different color techniques; include process color and spot color.

CTE-AATC.912.8209520.5.2

Prepare output files using prepress operations (e.g., color separation, font management, and file management).

CTE-AATC.912.8209520.5.3

Read work orders and prepare electronic files that meet all specifications.

CTE-AATC.912.8209520.5.4

Understand how to prepare interactive components (hyperlinks, buttons, etc.).

CTE-AATC.912.8209520.6 - Demonstrate skills in promotional design and application.

Demonstrate skills in promotional design and application.

CTE-AATC.912.8209520.6.1

Identify the types of promotional designs used in various industries.

CTE-AATC.912.8209520.6.2

Write a promotional message that appeals to a specified target market.

CTE-AATC.912.8209520.6.3

Use design principles to prepare promotional messages (e.g., slogans and taglines).

CTE-AATC.912.8209520.6.4

Produce designs for the appropriate advertising medium.

CTE-AATC.912.8209520.6.5

Use advertising guidelines to design appropriate sample ads (print, television, and the Internet, etc.)

CTE-AATC.912.8209520.7 - Demonstrate proficiency in digital imaging.

Demonstrate proficiency in digital imaging.

CTE-AATC.912.8209520.7.1

Demonstrate understanding of and proficiency in the use of formats and modes.

CTE-AATC.912.8209520.7.2

Demonstrate proficiency with image editing software.

CTE-AATC.912.8209520.7.3

Complete projects using appropriate resolution and screen values (e.g., DPI, LPI, and PPI).

CTE-AATC.912.8209520.7.4

Retouch digital photographs utilize tones, hues, values, etc.

CTE-AATC.912.8209520.7.5

Demonstrate proficiency in digital image manipulation (e.g., compositing, destructive vs. non-destructive editing, masks, and color-

correction).

CTE-AATC.912.8209520.8 - Demonstrate the ability to apply the design process.

Demonstrate the ability to apply the design process.

CTE-AATC.912.8209520.8.1

Determine whether a digital design problem should be addressed or resolved.

CTE-AATC.912.8209520.8.2

Conduct a brainstorming exercise (e.g., concept mapping and graphic organizers).

CTE-AATC.912.8209520.8.3

Develop a digital design solution using the design process.

CTE-AATC.912.8209520.8.4

Evaluate an existing design using conceptual, physical, or mathematical models; note aspects for improvement; determine whether the design meets criteria and constraints.

CTE-AATC.912.8209520.8.5

Identify the criteria and constraints associated with a digital design problem and select the most appropriate solution based on these factors.

CTE-AATC.912.8209520.8.6

Evaluate the quality, efficiency, and productivity of an existing or proposed design; refine the design accordingly.

CTE-AATC.912.8209520.9 - Demonstrate understanding in the creation of digital design solutions involving motion or special effects.

Demonstrate understanding in the creation of digital design solutions involving motion or special effects.

CTE-AATC.912.8209520.9.1

Demonstrate an understanding of kinetic typography.

CTE-AATC.912.8209520.9.2

Design a communication solution that employs animation or motion (e.g., graphics, text, and video) to achieve or enhance the intended message.

CTE-AATC.912.8209520.9.3

Describe the design constraints associated with devices (e.g., tablet, kiosk, and smartphone) used to deliver digital design products.

CTE-AATC.912.8209520.10 - Demonstrate an understanding of the use of emerging technologies in digital design industries.

Demonstrate an understanding of the use of emerging technologies in digital design industries.

CTE-AATC.912.8209520.10.1

Discuss trends in digital and printed mediums.

CTE-AATC.912.8209520.10.2

Explain the various technologies associated with digital design, advertising, and associated industries.

CTE-AATC.912.8209520.10.3

Compare and contrast printing processes.

8209510 Digital Design 1

CTE-AATC.912.8209510.1 - Demonstrate knowledge of digital publishing concepts.

Demonstrate knowledge of digital publishing concepts.

CTE-AATC.912.8209510.1.1

Define the terms commonly used in digital publishing.

CTE-AATC.912.8209510.1.2

Identify the characteristics of paper (e.g., weight and point).

CTE-AATC.912.8209510.1.3

Apply different types of color (e.g., RGB, CMYK, Pantone Color Matching System, and HEX).

CTE-AATC.912.8209510.1.4

Identify software used in digital publishing.

CTE-AATC.912.8209510.1.5

Differentiate between raster (bitmap) and vector graphic images.

CTE-AATC.912.8209510.1.6

Compare and contrast image formats (e.g., BMP, EPS, GIF, JPEG, PDF, PNG, RAW, and TIF).

CTE-AATC.912.8209510.2 - Demonstrate knowledge of basic digital imaging.

Demonstrate knowledge of basic digital imaging.

CTE-AATC.912.8209510.2.1

Demonstrate proper use of scanners, digital cameras, and various input devices.

CTE-AATC.912.8209510.2.2

Identify the attributes of line art, grayscale, duotone, spot color and the four-color process.

CTE-AATC.912.8209510.3 - Demonstrate proficiency in the safe and ethical use of the Internet to locate information.

Demonstrate proficiency in the safe and ethical use of the Internet to locate information.

CTE-AATC.912.8209510.3.1

Understand the principles of copyright.

CTE-AATC.912.8209510.3.2

Identify and apply Copyright Fair Use guidelines.

CTE-AATC.912.8209510.3.3

Demonstrate an understanding of safe and ethical Internet usage.

CTE-AATC.912.8209510.4 - Identify project requirements, define project planning, and understand the design process.

Identify project requirements, define project planning, and understand the design process.

CTE-AATC.912.8209510.4.1

Identify the purpose, audience, and the needs of the audience for the preparation of design projects.

CTE-AATC.912.8209510.4.2

Research and describe the implications of audience, purpose/message, and time constraints relative to a design project.

CTE-AATC.912.8209510.4.3

Determine project specifications.

CTE-AATC.912.8209510.4.4

Define design criteria and design constraints.

CTE-AATC.912.8209510.4.5

Produce basic thumbnail sketches and rough designs.

CTE-AATC.912.8209510.4.6

Identify project management tasks and responsibilities.

CTE-AATC.912.8209510.5 - Perform page layout and measurement activities.

Perform page layout and measurement activities.

CTE-AATC.912.8209510.5.1

Determine the appropriate type of basic layout for a specified problem (e.g., audience and purpose).

CTE-AATC.912.8209510.5.2

Identify distinct components in a layout (e.g., headlines, subheads, and body copy).

CTE-AATC.912.8209510.5.3

Demonstrate basic use of typography (e.g., visual hierarchy, proximity, alignment, contrast, and repetition).

CTE-AATC.912.8209510.5.4

Compare and contrast units of measurement (e.g., inches, centimeters, millimeters, points, picas, and pixels).

CTE-AATC.912.8209510.5.5

Produce a variety of design layouts (e.g., flyers, postcards, brochures, business cards, and letterhead).

CTE-AATC.912.8209510.5.6

Incorporate clip art, images, borders, and other special effects into a layout.

CTE-AATC.912.8209510.5.7

Select the appropriate color format and resolution for a variety of purposes (e.g., web, print).

CTE-AATC.912.8209510.6 - Demonstrate an understanding of color and its role in digital design.

Demonstrate an understanding of color and its role in digital design.

CTE-AATC.912.8209510.6.1

Understand the color wheel and its uses.

CTE-AATC.912.8209510.6.2

Describe the spectral colors in the visible light spectrum.

CTE-AATC.912.8209510.6.3

Define and explain the terminology related to color (e.g., Chroma, lightness, saturation, hue, intensity, luminance/value, shade, and tint).

CTE-AATC.912.8209510.6.4

Describe the difference between additive and subtractive color mixing.

CTE-AATC.912.8209510.6.5

Compare and contrast RGB and CMYK color models as used in digital design.

CTE-AATC.912.8209510.6.6

Demonstrate the application of color theory to design practices.

CTE-AATC.912.8209510.7 - Demonstrate a basic understanding of typography.

Demonstrate a basic understanding of typography.

CTE-AATC.912.8209510.7.1

Define and describe the terminology related to character and line spacing (e.g., leading, kerning, tracking, baseline shift, and

ligature).

CTE-AATC.912.8209510.7.2

Identify the characteristics and psychology of type, type families, type series, and type styles.

CTE-AATC.912.8209510.7.3

Understand the installation and application of fonts.

CTE-AATC.912.8209510.8 - Demonstrate an understanding of elements and principles of design.

Demonstrate an understanding of elements and principles of design.

CTE-AATC.912.8209510.8.1

Identify the elements of design (line, shape, mass, color, texture, etc.).

CTE-AATC.912.8209510.8.2

Identify the principles of design (variety, movement, emphasis, balance, space, etc.).

CTE-AATC.912.8209510.9 - Demonstrate basic skill in digital photography.

Demonstrate basic skill in digital photography.

CTE-AATC.912.8209510.9.1

Demonstrate knowledge of ethics related to digital images/imaging; examine legal and content-related issues.

CTE-AATC.912.8209510.9.2

Demonstrate the operation of a digital camera (typical features/modes).

CTE-AATC.912.8209510.9.3

Apply effective design principles in digital photography compositions (e.g., rule of thirds).

CTE-AATC.912.8209510.9.4

Develop an understanding of metadata and the digital photography workflow.

CTE-AATC.912.8209510.10 - Demonstrate skills in the use of raster software applications.

Demonstrate skills in the use of raster software applications.

CTE-AATC.912.8209510.10.1

Demonstrate basic knowledge of the tools and techniques for using a raster-based software application.

CTE-AATC.912.8209510.10.2

Demonstrate skill in importing, transforming and cropping images.

CTE-AATC.912.8209510.10.3

Create and edit images/photographs using digital imaging software (e.g., layers, image editing, adjustments, filters, and selections).

CTE-AATC.912.8209510.10.4

Demonstrate skill in raster image manipulation, color correction, and special effects.

CTE-AATC.912.8209510.10.5

Demonstrate an understanding of image resolution and compression factors such as transmission speed, color reduction, and delivery media parameters.

CTE-AATC.912.8209510.11 - Demonstrate basic skills in the use of vector software applications.

Demonstrate basic skills in the use of vector software applications.

CTE-AATC.912.8209510.11.1

Demonstrate basic knowledge of the tools and techniques for using vector software applications.

CTE-AATC.912.8209510.11.2

Create and edit various illustrations using vector software (e.g., line art, drawing basics, transforming/applying effects to objects, painting, type and type effects, and layers).

CTE-AATC.912.8209510.12 - Demonstrate basic technical skills using a desktop publishing application.

Demonstrate basic technical skills using a desktop publishing application.

CTE-AATC.912.8209510.12.1

Determine the activities and implications of content preparation and proofreading.

CTE-AATC.912.8209510.12.2

Incorporate scanned and digital photographs into documents comprising a specified design (e.g., poster, brochure, card, and advertisement).

CTE-AATC.912.8209510.12.3

Proofread manually and digitally.

CTE-AATC.912.8209510.13 - Develop an awareness of the emerging technologies associated with digital design.

Develop an awareness of the emerging technologies associated with digital design.

CTE-AATC.912.8209510.13.1

Compare and contrast emerging technologies relative to their role in digital design (e.g., wireless, cloud-based, mobile, portable devices, and kiosks).

CTE-AATC.912.8209510.13.2

Describe social media as a form of digital design.

CTE-AATC.912.8209510.13.3

Describe the emergent and evolving nature of software applications used in interactive design.

CTE-AATC.912.8209510.13.4

Explain how the use of advanced image sensing devices have altered the manner in which communication takes place, especially those utilizing Quick Response (QR) Codes and other forms of two-dimensional bar coding techniques.

CTE-AATC.912.8209510.14 - Demonstrate understanding in page layout using desktop publishing applications.
Demonstrate understanding in page layout using desktop publishing applications.

CTE-AATC.912.8209510.14.1

Design a document using grids and formats.

CTE-AATC.912.8209510.14.2

Produce documents integrating the Elements and Principles of Art and Design.

CTE-AATC.912.8209510.15 - Demonstrate an understanding of career opportunities and requirements in the field of digital design.

Demonstrate an understanding of career opportunities and requirements in the field of digital design.

CTE-AATC.912.8209510.15.1

Discuss individual interests related to a career in digital design.

CTE-AATC.912.8209510.15.2

Identify the skills required of a digital designer.

CTE-AATC.912.8209510.15.3

Explore career opportunities in the field of digital design.

CTE-AATC.912.8209510.15.4

Explore secondary and post-secondary educational opportunities related to digital design.

CTE-AATC.912.8209510.15.5

Identify job search platforms.

8209550 Digital Design 5

CTE-AATC.912.8209550.1 - Demonstrate proficiency in the creation of digital design solutions involving motion or special effects.

Demonstrate proficiency in the creation of digital design solutions involving motion or special effects.

CTE-AATC.912.8209550.1.1

Demonstrate proficiency in the use of editing software to create a product featuring special visual effects.

CTE-AATC.912.8209550.1.2

Design and create an interactive digital design product featuring the use of rich media.

CTE-AATC.912.8209550.2 - Demonstrate advanced ability to create and manipulate digital images using software applications.

Demonstrate advanced ability to create and manipulate digital images using software applications.

CTE-AATC.912.8209550.2.1

Demonstrate advanced capabilities in the use of tools and techniques in raster-based software applications.

CTE-AATC.912.8209550.2.2

Demonstrate advanced capabilities in the use of tools and techniques in vector-based software applications.

CTE-AATC.912.8209550.3 - Maintain a portfolio (print and/or digital).

Maintain a portfolio (print and/or digital).

CTE-AATC.912.8209550.3.1

Continue to update the portfolio.

CTE-AATC.912.8209550.3.2

Refine and present digital portfolio to an audience.

Related Careers (SOC Codes)

The career titles and SOC codes listed below are based on the 2018 Standard Occupational Classification (SOC) system, which is a federal statistical standard used by federal agencies to classify workers into occupational categories for the purpose of collecting, calculating, or disseminating data. Students completing this program, including required and optional program components, will learn valuable concepts and skills related to the following career(s).

Program

0510030300 Digital Design

- **Primary SOC Code**

271024 - Graphic Designers

- **Secondary SOC Code**

439031 - Desktop Publishers

151232 - Computer User Support Specialists

CTE Course

8207310 Digital Information Technology

- **Primary SOC Code**

151232 - Computer User Support Specialists

CTE Course

8209510 Digital Design 1

- **Primary SOC Code**

439031 - Desktop Publishers

CTE Course

8209520 Digital Design 2

- **Primary SOC Code**

439031 - Desktop Publishers

CTE Course

8209530 Digital Design 3

- **Primary SOC Code**

439031 - Desktop Publishers

CTE Course

8209540 Digital Design 4

- **Primary SOC Code**

271024 - Graphic Designers

CTE Course

8209550 Digital Design 5

- **Primary SOC Code**

271024 - Graphic Designers

Career Education Pathway

The CTE programs below represent a progression across educational levels.

High School (Secondary) Programs

0419090606 Fashion Technology and Design Services

0650040600 Commercial Photography Technology

0650040206 Commercial Art Technology

0450040803 Interior Design Services

Career Certificate (Postsecondary - Clock Hour) Programs

0650040208 Commercial Art Technology

0650040605 Commercial Photography Technology 1

0650040606 Commercial Photography Technology 2

0510030306 Digital Design

0510030307 Digital Design 1

0510030308 Digital Design 2

0650040701 Fashion Technology and Production Services

0450040804 Interior Decorating Services

College Degree and Certificate Programs

0611080303 Graphic Design Production

0611080302 Graphic Design Support

1611080300 Graphics Technology

0450040807 Home Staging Specialist

0611080304 Interactive Media Production

1650010200 Interactive Media Production Technology

0611080305 Interactive Media Support

1450040700 Fashion Design

1450040801 Interior Design Technology

0450040805 Kitchen and Bath Specialization

Educator Certifications

CTE Course- 8209540 - Digital Design 4

Certifications

G601 Commercial Art (District-issued Employment Certificate) (District-issued Employment Certificate)

803 Engineering & Technology Education (Grades 6-12) (State-issued Certification)

G644 Clerical (District-issued Employment Certificate) (District-issued Employment Certificate)

G642 Management & Supervision (District-issued Employment Certificate) (District-issued Employment Certificate)

7642 Management & Supervision (Career & Technical) (Career/Technical Coverage)

G094 Printing (District-issued Employment Certificate) (District-issued Employment Certificate)

7644 Clerical (Career & Technical) (Career/Technical Coverage)

7601 Commercial Art (Career & Technical) (Career/Technical Coverage)

G643 Secretarial (District-issued Employment Certificate) (District-issued Employment Certificate)

7643 Secretarial (Career & Technical) (Career/Technical Coverage)

G403 Technical Electrician (District-issued Employment Certificate) (District-issued Employment Certificate)

Business Education (Adult Education) (State-issued Certification) (No longer issued)

Business Education (Grades 6-12) (State-issued Certification)

7414 Business Data Processing (Career & Technical - No Longer Issued) (Career/Technical Coverage)

Computer Science (Elementary and Secondary Grades K-12) (State-issued Certification)

2313 Computer Science (Adult Education - No Longer Issued) (State-issued Certification)

1074 Teacher Coordinator of Cooperative Education Endorsement (Career & Technical - No Longer Issued)) (Career/Technical Coverage)

7640 Vocational Office Education (Career & Technical - No Longer Issued) (Career/Technical Coverage)

803 Engineering & Technology Education (Adult Education - No Longer Issued) (State-issued Certification)

7094 Printing (Career & Technical) (Career/Technical Coverage)

7713 Electronics Data Processing (Career & Technical - No Longer Issued) (Career/Technical Coverage)

7713 Electronics Data Processing (District-issued Employment Certificate - Prior to July 1, 2014) (District-issued Employment Certificate)

7403 Technical Electrician (Career & Technical - Prior to July 1, 1996) (Career/Technical Coverage)

7414 Business Data Processing (District-issued Employment Certificate - Prior to 2014) (District-issued Employment Certificate)

CTE Course- 8209550 - Digital Design 5

Certifications

G601 Commercial Art (District-issued Employment Certificate) (District-issued Employment Certificate)

803 Engineering & Technology Education (Grades 6-12) (State-issued Certification)

G644 Clerical (District-issued Employment Certificate) (District-issued Employment Certificate)

G642 Management & Supervision (District-issued Employment Certificate) (District-issued Employment Certificate)

7642 Management & Supervision (Career & Technical) (Career/Technical Coverage)

G094 Printing (District-issued Employment Certificate) (District-issued Employment Certificate)

7644 Clerical (Career & Technical) (Career/Technical Coverage)

7601 Commercial Art (Career & Technical) (Career/Technical Coverage)

G643 Secretarial (District-issued Employment Certificate) (District-issued Employment Certificate)

7643 Secretarial (Career & Technical) (Career/Technical Coverage)

G403 Technical Electrician (District-issued Employment Certificate) (District-issued Employment Certificate)

Business Education (Adult Education) (State-issued Certification) (No longer issued)

Business Education (Grades 6-12) (State-issued Certification)

7414 Business Data Processing (Career & Technical - No Longer Issued) (Career/Technical Coverage)

Computer Science (Elementary and Secondary Grades K-12) (State-issued Certification)

2313 Computer Science (Adult Education - No Longer Issued) (State-issued Certification)

1074 Teacher Coordinator of Cooperative Education Endorsement (Career & Technical - No Longer Issued)) (Career/Technical Coverage)

7640 Vocational Office Education (Career & Technical - No Longer Issued) (Career/Technical Coverage)

803 Engineering & Technology Education (Adult Education - No Longer Issued) (State-issued Certification)

7094 Printing (Career & Technical) (Career/Technical Coverage)

7713 Electronics Data Processing (Career & Technical - No Longer Issued) (Career/Technical Coverage)

7713 Electronics Data Processing (District-issued Employment Certificate - Prior to July 1, 2014) (District-issued Employment Certificate)

7403 Technical Electrician (Career & Technical - Prior to July 1, 1996) (Career/Technical Coverage)

7414 Business Data Processing (District-issued Employment Certificate - Prior to 2014) (District-issued Employment Certificate)

CTE Course- 8209530 - Digital Design 3

Certifications

G601 Commercial Art (District-issued Employment Certificate) (District-issued Employment Certificate)

803 Engineering & Technology Education (Grades 6-12) (State-issued Certification)

G644 Clerical (District-issued Employment Certificate) (District-issued Employment Certificate)

G642 Management & Supervision (District-issued Employment Certificate) (District-issued Employment Certificate)

7642 Management & Supervision (Career & Technical) (Career/Technical Coverage)

G094 Printing (District-issued Employment Certificate) (District-issued Employment Certificate)

7644 Clerical (Career & Technical) (Career/Technical Coverage)

7601 Commercial Art (Career & Technical) (Career/Technical Coverage)

G643 Secretarial (District-issued Employment Certificate) (District-issued Employment Certificate)

7643 Secretarial (Career & Technical) (Career/Technical Coverage)

G403 Technical Electrician (District-issued Employment Certificate) (District-issued Employment Certificate)

Business Education (Adult Education) (State-issued Certification) (No longer issued)

Business Education (Grades 6-12) (State-issued Certification)

7414 Business Data Processing (Career & Technical - No Longer Issued) (Career/Technical Coverage)

Computer Science (Elementary and Secondary Grades K-12) (State-issued Certification)

2313 Computer Science (Adult Education - No Longer Issued) (State-issued Certification)

1074 Teacher Coordinator of Cooperative Education Endorsement (Career & Technical - No Longer Issued)) (Career/Technical Coverage)

7640 Vocational Office Education (Career & Technical - No Longer Issued) (Career/Technical Coverage)

803 Engineering & Technology Education (Adult Education - No Longer Issued) (State-issued Certification)

7094 Printing (Career & Technical) (Career/Technical Coverage)

7713 Electronics Data Processing (Career & Technical - No Longer Issued) (Career/Technical Coverage)

7713 Electronics Data Processing (District-issued Employment Certificate - Prior to July 1, 2014) (District-issued Employment Certificate)

7403 Technical Electrician (Career & Technical - Prior to July 1, 1996) (Career/Technical Coverage)

7414 Business Data Processing (District-issued Employment Certificate - Prior to 2014) (District-issued Employment Certificate)

CTE Course- 8209520 - Digital Design 2

Certifications

G601 Commercial Art (District-issued Employment Certificate) (District-issued Employment Certificate)

803 Engineering & Technology Education (Grades 6-12) (State-issued Certification)

G644 Clerical (District-issued Employment Certificate) (District-issued Employment Certificate)

G642 Management & Supervision (District-issued Employment Certificate) (District-issued Employment Certificate)

7642 Management & Supervision (Career & Technical) (Career/Technical Coverage)

G094 Printing (District-issued Employment Certificate) (District-issued Employment Certificate)

7644 Clerical (Career & Technical) (Career/Technical Coverage)

7601 Commercial Art (Career & Technical) (Career/Technical Coverage)

G643 Secretarial (District-issued Employment Certificate) (District-issued Employment Certificate)

7643 Secretarial (Career & Technical) (Career/Technical Coverage)

G403 Technical Electrician (District-issued Employment Certificate) (District-issued Employment Certificate)

Business Education (Adult Education) (State-issued Certification) (No longer issued)

Business Education (Grades 6-12) (State-issued Certification)

7414 Business Data Processing (Career & Technical - No Longer Issued) (Career/Technical Coverage)

Computer Science (Elementary and Secondary Grades K-12) (State-issued Certification)

2313 Computer Science (Adult Education - No Longer Issued) (State-issued Certification)

1074 Teacher Coordinator of Cooperative Education Endorsement (Career & Technical - No Longer Issued))
(Career/Technical Coverage)

7640 Vocational Office Education (Career & Technical - No Longer Issued) (Career/Technical Coverage)

803 Engineering & Technology Education (Adult Education - No Longer Issued) (State-issued Certification)

7094 Printing (Career & Technical) (Career/Technical Coverage)

7713 Electronics Data Processing (Career & Technical - No Longer Issued) (Career/Technical Coverage)

7713 Electronics Data Processing (District-issued Employment Certificate - Prior to July 1, 2014) (District-issued
Employment Certificate)

7403 Technical Electrician (Career & Technical - Prior to July 1, 1996) (Career/Technical Coverage)

7414 Business Data Processing (District-issued Employment Certificate - Prior to 2014) (District-issued
Employment Certificate)

CTE Course- 8209510 - Digital Design 1

Certifications

G105 Digital Media (District-issued Employment Certificate) (District-issued Employment Certificate)

CTE Course- 8207310 - Digital Information Technology

Certifications

G063 Information Technology (District-issued Employment Certificate) (District-issued Employment Certificate)

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