

Course Title: Digital Design 1
Course Number: 8209510
Course Credit: 1

Course Description:

This course is designed to develop basic entry-level skills required for careers in the digital publishing industry. The content includes computer skills; digital publishing concepts and operations; layout, design, measurement activities; and digital imaging as well as communication, collaboration and decision-making activities; critical thinking; and problem solving. After successful completion of Digital Design 1 students will have met occupational completion point - B, Production Assistant - SOC Code 43-9031.

Abbreviations:

FS-M/LA = Florida Standards for Math/Language Arts
 NGSSS-Sci = Next Generation Sunshine State Standards for Science

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
04.0 Demonstrate proficiency in computer skills--The student will be able to:		
04.01 Identify basic computer parts (e.g., RAM, ROM).	LAFS.910.L.3.6 LAFS.1112.L.3.6	
04.02 Demonstrate an understanding of all functions of a computer.	LAFS.910.L.3.6 LAFS.1112.L.3.6	
04.03 Utilize appropriate font management techniques (e.g., true type, postscript, install and remove fonts).		
04.04 Perform storage management (e.g., hard drive, DVD, CD).		
04.05 Perform basic maintenance of computers and peripherals.		
05.0 Demonstrate knowledge of digital publishing concepts--The student will be able to:		
05.01 Identify the skills needed by a digital designer.		
05.02 Define commonly used terms in graphic communications.	LAFS.910.L.3.6 LAFS.1112.L.3.6	
05.03 Identify characteristics of paper.	MAFS.912.N-Q.1.1,2,3 MAFS.912.G-SRT.1.1, 2,3 MAFS.912.G-SRT.2.4,5 MAFS.912.G-SRT.3.6,8 MAFS.912.A-SSE.1.1	
05.04 Identify different kinds of color (e.g., spot, process).	MAFS.912.G-	SC.912.P.10.18

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
	CO.1.1,2,3,4,5 MAFS.912.G-CO.2.6,7,8 MAFS.912.G-CO.3.9 MAFS.912.G-CO.4.12 MAFS.912.G-GPE.2.4,7	
05.05 Identify software used in digital publishing.		
05.06 Demonstrate knowledge of copyright laws.	LAFS.910.L.3.6 LAFS.1112.L.3.6 MAFS.912.A-REI.1.1	
06.0 Perform decision-making activities--The student will be able to:		
06.01 Determine work priorities.	MAFS.912.N-Q.1.1,2,3	
06.02 Evaluate information to be used and choose relevant material.	LAFS.1112.W.2.5 LAFS.910.W.2.5 LAFS.910.W.3.8 LAFS.1112.W.3.8 MAFS.912.N-Q.1.1,2,3	SC.912.N.1.1
06.03 Determine the audience.	LAFS.910.W.2.4,5 LAFS.1112.W.2.4,5	
06.04 Demonstrate an understanding of various advertising mediums.		
06.05 Recognize and maintain ethical standards.		
07.0 Perform layout, design, and measurement activities--The student will be able to:		
07.01 Identify characteristics of type, type families, type series, and type styles.	MAFS.912.N-Q.1.1,2,3	
07.02 Assemble mechanical elements electronically.		
07.03 Prepare rough layout designs.		
07.04 Identify elements of design.		
08.0 Demonstrate proficiency in digital publishing operations--The student will be able to:		
08.01 Key with speed and accuracy to meet industry standards.		
08.02 Demonstrate core publishing skills, including creating tables, text boxes, manipulating graphics and inserting images.	LAFS.910.W.2.6 LAFS.1112.W.2.6	
08.03 Insert and format references and captions.	LAFS.910.W.2.6 LAFS.1112.W.2.6	
08.04 Complete projects using a variety of fonts, sizes, leading, and alignments.	LAFS.910.W.2.6 LAFS.1112.W.2.6	

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
08.05 Output projects using a variety of devices (e.g., printers, image setters).	LAFS.910.W.2.6 LAFS.1112.W.2.6	
08.06 Design with type using kerning, tracking, horizontal/vertical scale, baseline shift, etc.	LAFS.910.W.2.6 LAFS.1112.W.2.6	
08.07 Produce projects using tables, layouts and templates.	LAFS.910.W.2.6 LAFS.1112.W.2.6 MAFS.912.F-IF.2.4,5	
08.08 Produce projects using white space.		
08.09 Assemble multipage documents.		
08.10 Create documents that use master pages.		
08.11 Use a variety of styles to produce effective layouts		
08.12 Produce a document using printer and reader spreads.	LAFS.910.W.2.6 LAFS.1112.W.2.6	
08.13 Use publishing software to create a pre-press profile.	LAFS.910.W.2.6 LAFS.1112.W.2.6	
08.14 Produce a variety of designs using layout/paste up software.		
08.15 Create various print and digital publications, including: business cards, letterheads, brochures, newsletters, and calendars.		
08.16 Create electronic forms.		
08.17 Assign passwords and create restrictions with portable document formats.		
08.18 Design an electronic portfolio.	LAFS.910.W.2.6 LAFS.1112.W.2.6	
09.0 Demonstrate proficiency in digital imaging--The student will be able to:		
09.01 Demonstrate proper use of a scanner/input devices/ digital camera.		
09.02 Proofread electronically and manually.	LAFS.910.W.2.5 LAFS.1112.W.2.5	
10.0 Demonstrate proficiency in creating a simple website--The student will be able to:		
10.01 Create a webpage.	MAFS.912.S-IC.2.3	
10.02 Create a simple website and use hyperlinks.		
10.03 Convert publications for viewing on the Internet.		
10.04 Save files in multiple formats.		

CTE Standards and Benchmarks	FS-M/LA	NGSS-Sci
10.05 Create, send and manage a survey and survey results.		

**Florida Department of Education
Student Performance Standards**

Course Title: Digital Design 2
Course Number: 8209520
Course Credit: 1

Course Description:

This course continues the development of basic entry-level skills required for careers in the digital publishing industry. The content includes computer skills; digital publishing operations; layout, design, and measurement activities; and digital imaging as well as communication, collaboration and decision-making activities; critical thinking; and problem solving. After successful completion of Digital Design 2 and 3, students will have met occupational completion point -C, Digital Assistant Designer - SOC Code 43-9031.

Abbreviations:

FS-M/LA = Florida Standards for Math/Language Arts
 NGSSS-Sci = Next Generation Sunshine State Standards for Science

CTE Standards and Benchmarks		FS-M/LA	NGSSS-Sci
14.0	Demonstrate comprehension and communication skills--The student will be able to:		
14.01	Collaborate with individuals and teams to complete tasks	LAFS.910.SL.1.1 LAFS.1112.SL.1.1	
14.02	Apply the writing process to the creation of appropriate documents following designated business formats.	LAFS.910.W.2.5 LAFS.1112.W.2.5	
15.0	Incorporate knowledge gained from individual assessment and job/career exploration to design an individual career plan that reflects the transition from school to work, lifelong learning, and personal and professional goal—The student will be able to:		
15.01	Prepare a hard copy portfolio.	LAFS.910.W.2.4,6 LAFS.1112.W.2.4,6	
15.02	Prepare an electronic portfolio	LAFS.910.W.2.4,6 LAFS.1112.W.2.4,6	
15.03	Present a portfolio to an audience.	LAFS.910.SL.2.4,6 LAFS.1112.SL.2.4,6	
15.04	Refine and implement a plan to facilitate personal growth and skill development related to information technology career opportunities.		
15.05	Develop and maintain an electronic career portfolio, to include, but not limited to the resume and letter of application	LAFS.910.L.1.1,2 LAFS.1112.L.1.1,2 LAFS.910.W.2.5 LAFS.1112.W.2.5	

CTE Standards and Benchmarks		FS-M/LA	NGSSS-Sci
16.0	Perform decision-making activities—The student will be able to:		
16.01	Determine work priorities		
16.02	Evaluate information to be used and choose relevant material.	LAFS.910.W.2.5 LAFS.1112.W.2.5 LAFS.910.L.1.1,2 LAFS.1112.L.1.1,2 LAFS.910.W.3.8 LAFS.1112.W.3.8	
16.03	Determine the audience.	LAFS.910.W.2.4,5 LAFS.1112.W.2.4,5	
16.04	Recognize and maintain ethical standards.		
17.0	Demonstrate proficiency in digital publishing operations—The student will be able to:		
17.01	Produce multiple color designs using different color techniques including process color and spot color.		SC.912.P.10.18
17.02	Prepare output files using pre-press preparations (e.g., color separation, font management, file management, use of postscript fonts, etc.)		
17.03	Read work orders and prepare electronic files that meet all specifications.	LAFS.910.RL.4.10	
17.04	Design a document using grids and formats.	MAFS.912.A-REI.4.10	SC.912.N.1.1
17.05	Produce documents integrating elements and principles of design.		
17.06	Demonstrate proficiency in the use of a vector based illustration program.	MAFS.912.N-VM.1.1	SC.912.P.12.1
17.07	Demonstrate proficiency in the use of a vector based animation program	MAFS.912.N-VM.1.1	SC.912.P.12.1
17.08	Demonstrate proficiency in saving documents to various storage media (e.g. locally, CD, DVD, USB		
18.0	Demonstrate proficiency in digital imaging—The student will be able to:		
18.01	Complete projects using proper resolution and screen values (e.g., PPI, LPI, DPI).		
18.02	Produce electronically retouched photographs.		
18.03	Produce projects using a digital camera.		
19.0	Demonstrate proficiency in multimedia presentation—The student will be able to:		
19.01	Create PDF files.		
19.02	Incorporate audio and video into a presentation		

CTE Standards and Benchmarks		FS-M/LA	NGSSS-Sci
20.0	Demonstrate promotion applications for the selected marketing industry--The student will be able to:		
20.01	Identify types of promotion used in the industry.		
20.02	Discuss importance of advertising media.	LAFS.910.SL.1.1 LAFS.1112.SL.1.1	
20.03	Use design principles in preparing promotional messages.		
20.04	Write a promotional message to appeal to a target market.	LAFS.910.W.1.3 LAFS.1112.W.1.3 LAFS.910.W.2.4 LAFS.1112.W.2.4	

Florida Department of Education
Student Performance Standards

Course Title: Digital Design 3
Course Number: 8209530
Course Credit: 1

Course Description:

This course continues the development of industry-standard skills required for careers in the digital publishing industry. The content includes the use of a variety of software and equipment to perform digital publishing and digital imaging activities as well as communication, collaboration and decision-making activities; critical thinking; and problem solving. After successful completion of Digital Design 3, students will have met occupational completion point -C, Digital Assistant Designer - SOC Code 43-90331.

Abbreviations:

FS-M/LA = Florida Standards for Math/Language Arts
NGSSS-Sci = Next Generation Sunshine State Standards for Science

CTE Standards and Benchmarks		FS-M/LA	NGSSS-Sci
21.0	Demonstrate comprehension and communication skills--The student will be able to:		
21.01	Collaborate with individuals and teams to complete tasks	LAFS.910.SL.1.1 LAFS.1112.SL.1.1	
21.02	Apply the writing process to the creation of appropriate documents following designated business formats.	LAFS.910.W.1.2 LAFS.1112.W.1.2	
22.0	Incorporate knowledge gained from individual assessment and job/career exploration to design an individual career plan that reflects the transition from school to work, lifelong learning, and personal and professional goals—The student will be able to:		
22.01	Prepare a hard portfolio.	LAFS.910.W.2.4 LAFS.1112.W.2.4 LAFS.910.L.1.1,2 LAFS.1112.L.1.1,2	
22.02	Prepare an electronic portfolio	LAFS.910.W.2.4 LAFS.1112.W.2.4 LAFS.910.L.1.1,2 LAFS.1112.L.1.1,2	
22.03	Present a portfolio to an audience.	LAFS.910.SL.2.4,6 LAFS.1112.SL.2.4,6	
22.04	Refine and implement a plan to facilitate personal growth and skill development related to information technology career opportunities.		

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
22.05 Develop and maintain an electronic career portfolio, to include, but not limited to the resume and letter of application.	LAFS.910.L.1.1,2 LAFS.1112.L.1.1,2 LAFS.910.W.2.5 LAFS.1112.W.2.5	
23.0 Demonstrate proficiency in page design applicable to the WWW—The student will be able to:		
23.01 Develop an awareness of acceptable web page design, including index pages in relation to the rest of the web site.		
23.02 Access and digitize graphics through various resources (e.g., scanner, digital cameras, on-line graphics, clipart, CD Rom's).		
23.03 Use image design software to create and edit images.		
23.04 Demonstrate proficiency in publishing to the internet.		
23.05 Demonstrate proficiency in adding downloadable forms to web pages.		
24.0 Demonstrate proficiency using specialized web design software--The student will be able to:		
24.01 Compare and contrast various specialized web design software (e.g., Flash, Shockwave, GoLive, Director, etc.).		
24.02 Demonstrate proficiency using use of various specialized web design software (e.g., Flash, Shockwave, GoLive, Director, etc.).		
25.0 Perform decision-making activities—The student will be able to:		
25.01 Determine work priorities		
25.02 Evaluate information to be used and choose relevant material.	LAFS.910.W.3.7 LAFS.1112.W.3.7	
25.03 Determine the audience.	LAFS.910.SL.2.4,6 LAFS.1112.SL.2.4,6	
25.04 Recognize and maintain ethical standards.		
26.0 Demonstrate proficiency in digital imaging—The student will be able to:		
26.01 Produce projects using a digital camera.		
26.02 Scan multiple documents.		
26.03 Crop and scale photographs electronically using a scanner.		
26.04 Apply the use of proper resolution and screen values (e.g., ppi, lpi, dpi in documents).		
26.05 Produce electronically retouched photographs using tones, hues, and values.		

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
26.06 Apply special effects to image files.		
26.07 Demonstrate proficiency in saving documents to various storage media (e.g. locally, CD, DVD, USB)		
27.0 Demonstrate proficiency in multimedia presentation—The student will be able to:		
27.01 Demonstrate proficiency using a PDF format for a multimedia presentation.		
27.02 Incorporate audio and video into a presentation		
27.03 Demonstrate proficiency using 2D and 3D animation and effects		
28.0 Demonstrate promotion applications for the selected marketing industry--The student will be able to:		
28.01 Identify types of promotion used in the industry.		
28.02 Discuss importance of advertising media.	LAFS.910.SL.1.1 LAFS.1112.SL.1.1	
28.03 Use advertising guidelines to design appropriate media sample ads, i.e., print, radio, television, Internet, and others.		
28.04 Use design principles in preparing promotional messages		
28.05 Write a promotional message to appeal to a target market.	LAFS.910.W.2.4 LAFS.1112.W.2.4	
28.06 Design a web site to promote a product/service.		

Florida Department of Education
Student Performance Standards

Course Title: Digital Design 4
Course Number: 8209540
Course Credit: 1

Course Description:

This course is designed to develop advanced industry-standard skills required for careers in the digital publishing industry. The content includes the use of a variety of software and equipment, including digital video cameras and video/audio editing software. After successful completion of Digital Design 4 and 5, students will have met occupational completion point - D, Graphic Designer - SOC Code 27-1014.

Abbreviations:

FS-M/LA = Florida Standards for Math/Language Arts
NGSSS-Sci = Next Generation Sunshine State Standards for Science

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
29.0 Incorporate knowledge gained from individual assessment and job/career exploration to design an individual career plan that reflects the transition from school to work, lifelong learning, and personal and professional goals--The student will be able to:		
29.01 Prepare a portfolio.		
29.02 Create an electronic resume.	LAFS.910.SL.2.5 LAFS.1112.SL.2.5 LAFS.910.L.1.1 LAFS.1112.L.1.2	
29.03 Create an electronic portfolio.	LAFS.910.SL.2.5 LAFS.1112.SL.2.5 LAFS.910.L.1.1 LAFS.1112.L.1.2	
29.04 Present a portfolio to an audience.	LAFS.910.SL.2.4,6 LAFS.1112.SL.2.4,6	
30.0 Demonstrate proficiency in digital publishing operations--The student will be able to:		
30.01 Produce designs integrating all elements of design.		
30.02 Produce vector illustrations using digital software.	MAFS.912.N-VM.1.1,2 MAFS.912.N-VM.2.4,5	SC.912.P.12.1
30.03 Produce multiple projects using a variety of digital software.		

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
30.04 Prepare output files using pre-press protocols (e.g., color separation, font management, file management, use of postscript fonts, etc.).		
30.05 Perform integrated functions using various design software applications.		
30.06 Create documents using advanced features in layout/paste-up software.		
30.07 Produce multiple color designs using proper color balance for presentation.		SC.912.P.10.18
30.08 Create electronic presentations.		
31.0 Demonstrate proficiency in digital imaging--The student will be able to:		
31.01 Produce projects using line art, grayscale, duotone, and four-color process.		SC.912.P.10.18
31.02 Emphasize, interpret, and establish mood and emotion using illustrations.		
31.03 Apply special effects to projects.		
32.0 Demonstrate proficiency in multimedia presentation--The student will be able to:		
32.01 Create PDF files.		
32.02 Create links.		
32.03 Optimize images for the Web (e.g., file size, transmission time).	MAFS.912.G-SRT.1.1,2,3 MAFS.912.G-SRT.3.6	
32.04 Build pages for media presentations and standards.		
32.05 Link media elements into Web-delivered documents.		
32.06 Create buttons.		
32.07 Create dynamic media projects.		
32.08 Create presentations using color effects.		SC.912.P.10.18
32.09 Select appropriate fonts for on-screen presentations.	MAFS.912.G-CO.1.1,2,3,4,5 MAFS.912.G-CO.4.12	
32.10 Generate presentations with fully integrated text and images.		

**Florida Department of Education
Student Performance Standards**

Course Title: Digital Design 5
Course Number: 8209550
Course Credit: 1

Course Description:

This course continues the development of advanced industry-standard skills required for careers in the digital publishing industry. The content includes the use of a variety of software and equipment used to create multimedia presentations. After successful completion of Digital Design 4 and 5, students will have met occupational completion point - D, Graphic Designer - SOC Code 27-1014.

Abbreviations:

FS-M/LA = Florida Standards for Math/Language Arts
 NGSSS-Sci = Next Generation Sunshine State Standards for Science

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
33.0 Incorporate knowledge gained from individual assessment and job/career exploration to design an individual career plan that reflects the transition from school to work, lifelong learning, and personal and professional goals--The student will be able to:		
33.01 Prepare a portfolio.	LAFS.910.W.2.4 LAFS.1112.W.2.4	
34.0 Demonstrate proficiency in digital publishing operations--The student will be able to:		
34.01 Produce designs integrating all elements of design.		
34.02 Produce vector illustrations using digital software		SC.912.P.12.1
34.03 Produce multiple projects using a variety of digital software		
34.04 Prepare output files using pre-press protocols (e.g., color separation, font management, file management, use of postscript fonts, etc.).		
34.05 Perform integrated functions using various design software applications.	MAFS.912.G-CO.1.2	
34.06 Create documents using advanced features in layout/paste-up software.		
34.07 Produce multiple color designs using proper color balance for presentation.		
34.08 Create electronic presentations.		

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
35.0 Demonstrate proficiency in multimedia presentation--The student will be able to:		
35.01 Create PDF files.		
35.02 Create links.		
35.03 Optimize images for the Web (e.g., file size, transmission time).	MAFS.912.G-SRT.1.1,2,3	
35.04 Build pages for media presentations and standards.		
35.05 Link media elements into Web-delivered documents.		
35.06 Create buttons.		
35.07 Create dynamic media projects.		
35.08 Create presentations using color effects.		

Florida Department of Education
Student Performance Standards

Course Title: Digital Design 6
Course Number: 8209560
Course Credit: 1

Course Description:

This course continues the development of industry-standard skills required for careers in the digital publishing industry. The content includes the use of a variety of software and equipment required to perform digital publishing and digital imaging activities. After successful completion of Digital Design 6 and 7, students will have met occupational completion point – E, Media Designer - SOC Code 27-1024.

Abbreviations:

FS-M/LA = Florida Standards for Math/Language Arts
NGSSS-Sci = Next Generation Sunshine State Standards for Science

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
36.0 Incorporate knowledge gained from individual assessment and job/career exploration to design an individual career plan that reflects the transition from school to work, lifelong learning, and personal and professional goals--The student will be able to:		
36.01 Create an electronic resume.	LAFS.910.SL.2.5 LAFS.1112.SL.2.5 LAFS.910.L.1.1 LAFS.1112.L.1.2	
36.02 Prepare a portfolio.	LAFS.910.SL.2.5 LAFS.1112.SL.2.5 LAFS.910.L.1.1 LAFS.1112.L.1.2	
36.03 Create an electronic portfolio.	LAFS.910.SL.2.4,6 LAFS.1112.SL.2.4,6	
37.0 Demonstrate proficiency in multimedia presentation--The student will be able to:		
37.01 Select appropriate fonts for on-screen presentation.		
37.02 Generate presentations with fully integrated text and images text and images.		
37.03 Demonstrate proficiency using 2D and 3D animation and effects.	MAFS.912.G-GMD.2.4	

Florida Department of Education
Student Performance Standards

Course Title: Digital Design 7
Course Number: 8209570
Course Credit: 1

Course Description:

This course is designed to develop advanced industry-standard skills required for careers in the digital design industry. The content includes the use of a variety of software and equipment, including digital video cameras and video/audio editing software. After successful completion of Digital Design 6 and 7, students will have met occupational completion point – E, Media Designer - SOC Code 27-1024.

Abbreviations:

FS-M/LA = Florida Standards for Math/Language Arts
NGSSS-Sci = Next Generation Sunshine State Standards for Science

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
38.0 Incorporate knowledge gained from individual assessment and job/career exploration to design an individual career plan that reflects the transition from school to work, lifelong learning, and personal and professional goals--The student will be able to:		
38.01 Create an electronic resume.	LAFS.910.SL.2.5 LAFS.1112.SL.2.5 LAFS.910.L.1.1 LAFS.1112.L.1.2	
38.02 Prepare a portfolio.	LAFS.910.SL.2.5 LAFS.1112.SL.2.5 LAFS.910.L.1.1 LAFS.1112.L.1.2	
38.03 Create an electronic portfolio.	LAFS.910.SL.2.4,6 LAFS.1112.SL.2.4,6	
38.04 Present a portfolio to an audience.	LAFS.910.SL.2.4,6 LAFS.1112.SL.2.4,6	
39.0 Demonstrate proficiency in multimedia presentation--The student will be able to:		
39.01 Select appropriate fonts for on-screen presentation.		
39.02 Generate presentations with fully integrated text and images.		
39.03 Create PDF files.		

CTE Standards and Benchmarks	FS-M/LA	NGSS-Sci
39.04 Create links.		
39.05 Optimize images for the Web (e.g., file size, transmission time).		
39.06 Build pages for media presentations and standards.		
39.07 Link media elements into Web-delivered documents.		