

**Florida Department of Education  
Student Performance Standards**

**Course Title:** Design Services Core  
**Course Number:** 8506405  
**Course Credit:** 1

**Course Description:**

This course is the core course of the fashion design services program. It is designed to develop competencies in the areas of the fashion design industry. It includes essential basic skills for working in design services, leadership and organizational skills, basic principles of design, textile characteristics and care, employability skills, relationship of human factors to design services, safe use of tools and equipment, and selection of appropriate materials.

**Abbreviations:**

FS-M/LA = Florida Standards for Math/Language Arts

NGSSS-Sci = Next Generation Sunshine State Standards for Science

*Note: This course is pending alignment in the following categories: FS-M/LA and NGSSS-Sci.*

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
04.0 Demonstrate leadership and organizational skills–The student will be able to:		
04.01 Identify professional and youth organizations.	LAFS.910.SL.1.1,2,3 LAFS.910.SL.2.4,5,6 LAFS.910.L.1.1,2 LAFS.910.RI.4.10 LAFS.910.W.3.7,8	
04.02 Identify purposes and functions of professional and youth organizations.	LAFS.910.SL.1.1,2,3 LAFS.910.SL.2.4,5,6 LAFS.910.L.1.1,2 LAFS.910.W.4.10 LAFS.910.W.3.7,8	
04.03 Identify roles and responsibilities of members	LAFS.910.SL.1.1,2,3 LAFS.910.SL.2.4,5,6 LAFS.910.L.1.1,2 LAFS.910.W.4.10 LAFS.910.W.3.7,8	
04.04 Demonstrate cooperation as a group member in achieving	LAFS.910.SL.1.1,2,3 LAFS.910.SL.2.4,5,6 LAFS.910.L.1.1,2	

CTE Standards and Benchmarks		FS-M/LA	NGSSS-Sci
		LAFS.910.W.4.10 LAFS.910.W.3.7,8	
04.05	Demonstrate confidence in leadership roles and organizational responsibilities.	LAFS.910.SL.1.1,2,3 LAFS.910.SL.2.4,5,6 LAFS.910.L.1.1,2 LAFS.910.W.4.10 LAFS.910.W.3.7,8	
05.0	Demonstrate appropriate basic skills essential to working in occupations in design services–The student will be able to:		
05.01	Identify the communication knowledge, skills, and attitudes necessary to perform the occupational tasks.	LAFS.910.SL.2.4 LAFS.910.L.3.6	
05.02	Demonstrate communication competencies necessary to perform the occupational tasks.	LAFS.910.SL.2.4 LAFS.910.L.3.6	
06.0	Identify and exhibit employment skills–The student will be able to:		
06.01	Conduct a job search using the internet, media center, phone, or a computerized model.	LAFS.910.SL.1.1,2,3 LAFS.910.SL.2.4,5,6 LAFS.910.L.1.1,2 LAFS.910.RI.4.10 LAFS.910.W.4.10 LAFS.910.W.3.7,8,9	
06.02	Secure information about a job and advanced training opportunities for the job and report in a written or oral format.	LAFS.910.SL.1.1,2,3 LAFS.910.SL.2.4,5,6 LAFS.910.L.1.1,2 LAFS.910.RI.4.10 LAFS.910.W.4.10 LAFS.910.W.3.7,8,9 MAFS.912.A.REI.1.1, MAFS.912.A.REI.2.3 MAFS.912.F.IF.3.9 MAFS.912.S.ID.1.1	
06.03	Demonstrate computer proficiency through creating, revising, retrieving and verifying information.	LAFS.910.SL.1.1,2,3 LAFS.910.SL.2.4,5,6 LAFS.910.L.1.1,2 LAFS.910.RI.4.10 LAFS.910.W.4.10 LAFS.910.W.3.7,8,9	
06.04	Apply the principles of time management, work simplification, and teamwork when performing assigned tasks.		
06.05	Demonstrate pride in the quality of work performed.		
07.0	Describe the relationship of human factors to design services–The student will be able to:		

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
07.01 Define the elements of design that are applicable to fashion and/or interior design (space, line, shape, form, texture, color).	LAFS.910.L.3.6 LAFS.910.W.3.7,8,9 LAFS.910.W.4.10 LAFS.910.W.2.4,5,6 MAFS.912.G-CO.1.1 MAFS.912.G-MG.1.1	SC.912.P.10.19 SC.912.P.8.2 SC.912.N.1.1
07.02 Define the principles of design that are applicable to fashion and/or interior design (proportion, scale, balance, emphasis, rhythm, harmony).	LAFS.910.W.3.7,8,9 LAFS.910.W.4.10 LAFS.910.W.2.4,5,6 MAFS.912.G-SRT.1.1 MAFS.912.G-SRT.2.5 MAFS.912.G-CO.2.6	
07.03 Explain the impact of human factors (psychological, physiological, and social needs) on decisions relating to the design services process.	LAFS.910.SL.1.3 LAFS.910.W.4.10	SC.912.L.17.20
07.04 Identify and describe modifications necessary to accommodate individuals with special needs.	LAFS.910.L.3.6 MAFS.912.G-CO.1.1,2,3,4,5	SC.912.N.1.1
07.05 Identify and describe the impact of human needs and wants on the cost of design services and customized garments.	LAFS.910.L.3.6 MAFS.912.N-Q.1.1,2,3	
07.06 Identify and describe the importance of barrier-free design and accessibility related to design services.	LAFS.910.L.3.6	
07.07 Identify and describe characteristics of properly fitted garments/interior spaces and furnishings.	LAFS.910.L.3.6 MAFS.912.G-MG.1.1,3 MAFS.912.G-GMD.1.1 MAFS.912.G-GMD.2.4 MAFS.912.G-SRT.1.1,2 MAFS.912.G-SRT.3.6	SC.912.N.1.1
07.08 Take accurate measurements to determine correct size of garments or home furnishings items.	LAFS.910.L.3.6 MAFS.912.G-CO.1.1,2,3,4,5	SC.912.N.1.1
08.0 Identify textile characteristics and care—After teacher demonstration, textbook/multi-media research or following sample instruction the student will be able to:		
08.01 Identify and describe fiber characteristics.	LAFS.910.L.3.6 LAFS.910.RI.4.10 LAFS.910.SL.1.1 LAFS.910.W.4.10	SC.912.N.1.1 SC.912.L.15.4
08.02 Identify and describe types of fabric construction.	LAFS.910.L.3.6 LAFS.910.RI.4.10 LAFS.910.SL.1.1 LAFS.910.W.4.10 MAFS.912.G-CO.1.1	SC.912.N.1.1 SC.912.L.15.4
08.03 Identify and describe types of fabric finishes.	LAFS.910.L.3.6 LAFS.910.RI.4.10 LAFS.910.SL.1.1	SC.912.N.1.1 SC.912.L.15.4

CTE Standards and Benchmarks		FS-M/LA	NGSSS-Sci
		LAFS.910.W.4.10	
08.04	Identify and describe types of textiles.	LAFS.910.L.3.6 LAFS.910.RI.4.10 LAFS.910.SL.1.1 LAFS.910.W.4.10	SC.912.N.1.1 SC.912.L.15.4
08.05	Identify laws and regulations governing the textile industry including labeling laws.	LAFS.910.L.3.6 LAFS.910.RI.4.10 LAFS.910.SL.1.1 LAFS.910.W.4.10	SC.912.N.1.1 SC.912.L.15.4
09.0	Select and use tools and equipment safely—After teacher demonstration or textbook/multi-media research the student will be able to:		
09.01	Identify the tools and equipment used in design services.	LAFS.910.L.3.6	SC.912.N.1.1
09.02	Select the appropriate tools and equipment for assigned projects.		SC.912.N.1.1
09.03	Demonstrate the proper and safe use of tools and equipment.	LAFS.910.SL1.1	SC.912.N.1.1
09.04	Identify and demonstrate safety procedures in using conventional sewing machines and home sergers.	LAFS.910.SL1.1	
09.05	Identify and demonstrate safety procedures in using pressing equipment.	LAFS.910.SL1.1	SC.912.L.18.12
09.06	Clean and maintain various types of tools and equipment.	LAFS.910.SL1.1	
09.07	Keep an inventory record of tools, equipment, supplies, and materials using computer application software.	LAFS.910.SL1.1 LAFS.910.W.4.10	
09.08	Explain the importance of observing occupational safety and health administration (OSHA) rules and regulations.	LAFS.910.SL1.1 LAFS.910.RI.4.10 LAFS.910.W.4.10	
09.09	Research innovations in materials and technologies that have contributed to safeguards in the tools and equipment used in design services.	LAFS.910.RI.4.10 LAFS.910.W.3.7,8,9	
09.10	Identify the development of tools, equipment and technology used in design services as they relate to particular historical periods.	LAFS.910.RI.4.10 LAFS.910.W.3.7,8,9	
09.11	Identify and apply drafting tools and techniques to a specific design services project.	LAFS.910.L.3.6 MAFS.912.G-MG.1.1	SC.912.L.15.4
10.0	Operate and maintain a conventional and commercial/industrial sewing machine—After teacher demonstration, textbook/multi-media research or following manufacturer's instructions, the student will be able to:		
10.01	Identify the parts of the sewing machine.	LAFS.910.L.3.6 LAFS.910.RL.1.1 LAFS.910.RI.4.10	SC.912.P.10.18
10.02	Identify the process and demonstrate needle insertion, selecting the needle that is appropriate for various fabrics.	LAFS.910.L.3.6 LAFS.910.RL.1.1 LAFS.910.RI.4.10	

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
	MAFS.912.G-MG.1.2,3	
10.03 Identify the steps and demonstrate threading the sewing machine.	LAFS.910.L.3.6 LAFS.910.RL.1.1 LAFS.910.RI.4.10	
10.04 Diagram and demonstrate bobbin winding, threading the bobbin case, and inserting the bobbin correctly into the sewing machine.	LAFS.910.L.3.6 LAFS.910.RL.1.1 LAFS.910.RI.4.10 MAFS.912.G-MG.1.2,3	SC.912.P.12.3
10.05 Demonstrate straight stitching.	LAFS.910.L.3.6 LAFS.910.RL.1.1 LAFS.910.RI.4.10	
10.06 Identify and demonstrate stitch length and width selection.	LAFS.910.L.3.6 LAFS.910.RL.1.1 LAFS.910.RI.4.10 MAFS.912.N-Q.1.1 MAFS.912.A.SSE.1.1 MAFS.912.F.LE.2.5	
10.07 Demonstrate utility and decorative stitches.	LAFS.910.L.3.6 LAFS.910.RL.1.1 LAFS.910.RI.4.10 MAFS.912.F.LE.2.5	
10.08 Identify the tension and demonstrate tension adjustment.	LAFS.910.L.3.6 LAFS.910.RL.1.1 LAFS.910.RI.4.10	SC.912.P.12.3
10.09 Demonstrate cleaning and lubricating the machine following manufacturer's instructions.	LAFS.910.L.3.6 LAFS.910.RL.1.1 LAFS.910.RI.4.10	SC.912.N.1.1
11.0 Operate specialty machines (minimum of four machines if available)—After a teacher demonstration the student will be able to identify and operate at least four of the following machines:		
11.01 Electronic programmable machines.	LAFS.910.L.3.6 LAFS.910.RL.1.1 LAFS.910.RI.4.10	SC.912.N.1.1
11.02 Serger	LAFS.910.L.3.6 LAFS.910.RL.1.1 LAFS.910.RI.4.10	SC.912.N.1.1
11.03 Pleater	LAFS.910.L.3.6 LAFS.910.RL.1.1 LAFS.910.RI.4.10	SC.912.N.1.1
11.04 Blindstitch machine	LAFS.910.L.3.6 LAFS.910.RL.1.1 LAFS.910.RI.4.10	SC.912.N.1.1
11.05 Straight stitch machine	LAFS.910.L.3.6	SC.912.N.1.1

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
	LAFS.910.RL.1.1 LAFS.910.RI.4.10	
11.06 Chain stitch machine	LAFS.910.L.3.6 LAFS.910.RL.1.1 LAFS.910.RI.4.10	SC.912.N.1.1
11.07 Cutting machine	LAFS.910.L.3.6 LAFS.910.RL.1.1 LAFS.910.RI.4.10	SC.912.N.1.1
11.08 Bar tack	LAFS.910.L.3.6 LAFS.910.RL.1.1 LAFS.910.RI.4.10	SC.912.N.1.1
11.09 Zigzag machine	LAFS.910.L.3.6 LAFS.910.RL.1.1 LAFS.910.RI.4.10	SC.912.N.1.1
12.0 Select and prepare materials–The student will be able to:		
12.01 Identify and match pattern pieces.	LAFS.910.L.3.6 LAFS.910.RL.1.1 LAFS.910.RI.4.10 MAFS.912.G-CO.1.5 MAFS.912.G-CO.2.6,7,8	
12.02 Read and interpret instructions and specifications.	LAFS.910.L.3.6 LAFS.910.RL.1.1 LAFS.910.RI.4.10	
12.03 Identify fabric content.	LAFS.910.L.3.6 LAFS.910.RL.1.1 LAFS.910.RI.4.10	SC.912.N.1.1 SC.912.L.15.4
12.04 Prepare fabric.	LAFS.910.L.3.6 MAFS.912.G-CO.1.1	
12.05 Adjust patterns following pattern directions.	LAFS.910.RI.4.10 LAFS.910.L.3.6 MAFS.912.G-CO.1.1,2,3,4,5	
12.06 Lay out, pin, cut, and mark fabric according to pattern directions.	LAFS.910.RI.4.10 LAFS.910.L.3.6 MAFS.912.G-CO.1.1,2,3,4,5	
12.07 Demonstrate stay stitching and ease stitching.	LAFS.910.L.3.6	
12.08 Lay out fabrics according to pattern/teacher instructions.	LAFS.910.RI.4.10 LAFS.910.L.3.6 MAFS.912.G-CO.1.1,2,3,4,5 MAFS.912.G-CO.1.4	

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
12.09 Match grain lines and patterns according to pattern/teacher instructions.	LAFS.910.RI.4.10 LAFS.910.L.3.6 MAFS.912.G-CO.1.1,2,3,4,5	
12.10 Mark fabric for assembly according to pattern/teacher instructions.	LAFS.910.RI.4.10 LAFS.910.L.3.6	SC.912.L.18.12 SC.912.P.8.2
12.11 Mark fabric for trims according to pattern/teacher instructions.	LAFS.910.RI.4.10 LAFS.910.L.3.6	SC.912.L.18.12 SC.912.P.8.2
12.12 Match thread with fabric synthesizing visual arts knowledge.	LAFS.910.L.3.6	
12.13 Identify, select, and use content label(s) according to fabric requirements.	LAFS.910.RI.4.10 LAFS.910.L.3.6	
13.0 Construct a machine sewn design project for inclusion in portfolio–The student will be able to:		
13.01 Construct a project that includes a seaming, darts, interfacing, seam finishing, hem, closure and pocket.	LAFS.910.RI.4.10 LAFS.910.L.3.6 MAFS.912.G-CO.1.1,2,3,4,5	
13.02 Line up notches, dots, or clips according to pattern/teacher instructions.	LAFS.910.RI.4.10 LAFS.910.L.3.6	
13.03 Stitch on woven, stretch, or specialty fabrics using appropriate stitch length for fabrics.	LAFS.910.RI.4.10 LAFS.910.L.3.6	
13.04 Demonstrate correct pressing techniques following fabric requirements.	LAFS.910.RI.4.10 LAFS.910.L.3.6	SC.912.L.18.12 SC.912.P.8.2
13.05 Demonstrate machine hemming following machine manual instructions.	LAFS.910.RI.4.10 LAFS.910.L.3.6	
14.0 Develop a design portfolio–The student will be able to:		
14.01 Assemble a portfolio including all samples:	LAFS.910.W.2.4,5,6	
14.02 Construct basic hand techniques.	LAFS.910.L.3.6	
14.03 Stay stitching and ease stitching.	LAFS.910.L.3.6	
14.04 Straight seams, clean finish and various seam finishes.	LAFS.910.L.3.6	
14.05 Hemming techniques.	LAFS.910.L.3.6	

**Florida Department of Education  
Student Performance Standards**

**Course Title:** Principles of Fashion Design Services  
**Course Number:** 8506410  
**Course Credit:** 1

**Course Description:**

This course is the second course of the Fashion Design Services program. It is designed to further develop competencies in the area of Fashion Design Services. It includes employment opportunities in fashion design services, basic skills essential to working in this industry, employability skills, elements and principles of design, the terminology of the apparel industry, garment construction skills, sales techniques, and entrepreneurship.

**Abbreviations:**

FS-M/LA = Florida Standards for Math/Language Arts

NGSSS-Sci = Next Generation Sunshine State Standards for Science

*Note: This course is pending alignment in the following categories: FS-M/LA and NGSSS-Sci.*

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
15.0 Identify employment opportunities in Fashion Design Services–The student will be able to:		
15.01 Secure information about a job and advanced training opportunities for the job and report in a written or oral format.	LAFS.910.SL.1.1,2,3 LAFS.910.SL.2.4,5,6 LAFS.910.L.1.1,2 LAFS.910.RI.4.10 LAFS.910.W.4.10 LAFS.910.W.3.7,8,9 MAFS.912.A.REI.1.1 MAFS.912.A.REI.2.3 MAFS.912.F.IF.3.7 MAFS.912.S.ID.1.1	
15.02 Demonstrate computer proficiency through creating, revising, retrieving and verifying information.	LAFS.910.SL.1.1,2,3 LAFS.910.SL.2.4,5,6 LAFS.910.L.1.1,2 LAFS.910.RI.4.10 LAFS.910.W.4.10 LAFS.910.W.3.7,8,9	
15.03 Apply the principles of time management, work simplification, and teamwork when performing assigned tasks.	LAFS.910.SL.1.1	

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
15.04 Demonstrate pride in the quality of work performed.		
15.05 Identify career options in Fashion Design Services such as entrepreneurship.	LAFS.910.SL.1.1,2,3 LAFS.910.SL.2.4,5,6 LAFS.910.L.1.1,2 LAFS.910.RI.4.10 LAFS.910.W.4.10 LAFS.910.W.3.7,8,9	
15.06 Create a presentation on non-traditional career paths (costume design, theater, entertainment, buyers, fabric store owners etc.) in the garment/textile industry.	LAFS.910.SL.1.1,2,3 LAFS.910.SL.2.4,5,6 LAFS.910.L.1.1,2 LAFS.910.RI.4.10 LAFS.910.W.4.10 LAFS.910.W.3.7,8,9	
15.07 Analyze current trends as they may affect the future of occupations in Fashion Design Services.	LAFS.910.SL.1.1,2,3 LAFS.910.SL.2.4,5,6 LAFS.910.L.1.1,2 LAFS.910.RI.4.10 LAFS.910.W.4.10 LAFS.910.W.3.7,8,9	
15.08 Identify different earning and wage level options for occupations in Fashion Design Services.	MAFS.912.A.REI.1.1 MAFS.912.A.REI.2.3 MAFS.912.F.IF.3.2 MAFS.912.S.ID.1.1	
16.0 Identify and exhibit employment skills for occupations related to Fashion Design Services–The student will be able to:		
16.01 Identify and list documents that may be required when applying for a job.	LAFS.910.L.3.6 LAFS.910.W.2.4	
16.02 Complete a job application form accurately.	LAFS.910.L.3.6 LAFS.910.W.2.4	
16.03 Demonstrate competence in job interview techniques using role playing techniques.	LAFS.910.SL.2.6	
16.04 Identify and demonstrate appropriate responses to criticism from an employer, supervisor, or co-worker.		
16.05 Identify and demonstrate acceptable work habits including a positive attitude.		
16.06 Demonstrate knowledge of how to make job changes appropriately.	LAFS.910.L.3.6 LAFS.910.W.2.4	
16.07 Identify and describe acceptable employee health and hygiene habits.	LAFS.910.L.3.6 LAFS.910.W.2.4	
16.08 Demonstrate customer relations skills synthesizing given instructions.	LAFS.910.L.3.6 LAFS.910.W.2.4	
16.09 Develop and create a resume' and portfolio following a given format.	LAFS.910.L.3.6 LAFS.910.W.2.4	

CTE Standards and Benchmarks		FS-M/LA	NGSSS-Sci
17.0	Demonstrate an understanding of the elements and principles of design—After teacher demonstration, textbook/multimedia research or professional presentation, the student will be able to:		
17.01	Identify and explain the elements of design and how various effects can be achieved in relation to Fashion Design Services through written/oral reporting or demonstrations: texture, pattern, line, form and shape, space, color, and light.	LAFS.910.L.3.6 LAFS.910.W.3.7,8,9 LAFS.910.W.4.10 LAFS.910.W.2.4,5,6 MAFS.912.G-CO.1.1 MAFS.912.G-MG.1.1	SC.912.P.10.19 SC.912.P.8.2 SC.912.N.1.1
17.02	Identify and explain the principles of design and how they can be used effectively in Fashion Design Services using a variety of research and reporting methods: proportion, scale, balance, rhythm, emphasis, and harmony.	LAFS.910.L.3.6 LAFS.910.W.3.7,8,9 LAFS.910.W.4.10 LAFS.910.W.2.4,5,6 MAFS.912.G-SRT.1.1 MAFS.912.G-SRT.2.5 MAFS.912.G-CO.2.6	
17.03	Apply the elements and principles of design to Fashion Design Services.	LAFS.910.L.3.6 LAFS.910.W.3.7,8,9 LAFS.910.W.4.10 LAFS.910.W.2.4,5,6 MAFS.912.G-CO.1.1 MAFS.912.G-MG.1.1 MAFS.912.G-SRT.1.1 MAFS.912.G-SRT.2.5 MAFS.912.G-CO.2.6	SC.912.P.10.19 SC.912.P.8.2 SC.912.N.1.1
17.04	Develop a project applying color and color schemes in a design.	LAFS.910.L.3.6 LAFS.910.W.3.7,8,9 LAFS.910.W.4.10 LAFS.910.W.2.4,5,6	SC.912.P.10.19 SC.912.P.8.2 SC.912.N.1.1
17.05	Evaluate good design by using the laws of design.	LAFS.910.L.3.6 LAFS.910.W.3.7,8,9 LAFS.910.W.4.10 LAFS.910.W.2.4,5,6	SC.912.N.1.1
17.06	Create elements and principles of design portfolio.	LAFS.910.L.3.6 LAFS.910.W.3.7,8,9 LAFS.910.W.4.10 LAFS.910.W.2.4,5,6	
18.0	Demonstrate an understanding of the terminology used in the apparel industry—The student will be able to:		
18.01	Complete a research project dealing with aspects of fashion retail and production including terminology, labels, designers, manufacturers and stores used within the apparel industry.	LAFS.910.L.3.6 LAFS.910.W.3.7,8,9 LAFS.910.W.4.10 LAFS.910.W.2.4,5,6 LAFS.910.SL.1.3	

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
19.0 Operate specialty machines (if available)–After a teacher demonstration the student will be able to identify and operate at least four of the following machines:		
19.01 Electronic programmable machines.	LAFS.910.L.3.6 LAFS.910.RL.1.1 LAFS.910.RI.4.10	SC.912.N.1.1
19.02 Serger.	LAFS.910.L.3.6 LAFS.910.RL.1.1 LAFS.910.RI.4.10	SC.912.N.1.1
19.03 Straight stitch machine.	LAFS.910.L.3.6 LAFS.910.RL.1.1 LAFS.910.RI.4.10	SC.912.N.1.1
19.04 Zigzag machine.	LAFS.910.L.3.6 LAFS.910.RL.1.1 LAFS.910.RI.4.10	SC.912.N.1.1
19.05 Embroidery machine.	LAFS.910.L.3.6 LAFS.910.RL.1.1 LAFS.910.RI.4.10	SC.912.N.1.1
20.0 Demonstrate skill in construction of simple garments–The student will be able to:		
20.01 Identify common ready to wear sizes.		
20.02 Identify and describe characteristics of a properly fitted garment.	LAFS.910.W.4.10 LAFS.910.SL.2.5 LAFS.910.L.3.6 MAFS.912.G-MG.1.1,3 MAFS.912.G-GMD.1.1 MAFS.912.G-GMD.2.4 MAFS.912.G-SRT.1.1 MAFS.912.G-SRT.1.2 MAFS.912.G-SRT.3.6	
20.03 Take accurate body measurements, select pattern size, and determine figure type.	LAFS.910.L.3.6 MAFS.912.G-CO.1.1,2,3,4,5	SC.912.N.1.1
20.04 Interpret verbal, written, and visual directions.	LAFS.910.RI.4.10 LAFS.910.L.3.6	
20.05 Prepare fabric and adjust patterns following pattern directions.	LAFS.910.RI.4.10 LAFS.910.L.3.6 MAFS.912.G-CO.1.1	
20.06 Lay out, pin, cut, and mark fabric according to pattern specifications.	LAFS.910.RI.4.10 LAFS.910.L.3.6 MAFS.912.G-CO.1.1,2,3,4,5	
20.07 Demonstrate stay stitching and ease stitching.		

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
20.08 Demonstrate stitching darts and tucks.	MAFS.912.G-CO.4.12 MAFS.912.G-MG.1.3	
20.09 Identify and match garment pieces using markings and stitching following directions.	LAFS.910.RI.4.10 LAFS.910.L.3.6 MAFS.912.G-CO.1.1,2,3,4,5	
20.10 Match plaids, stripes and one-way designs following specified instructions.	MAFS.912.G-CO.1.1,4 MAFS.912.G-CO.4.12	
20.11 Demonstrate correct pressing techniques following fabric requirements.		SC.912.L.18.12 SC.912.P.8.2
20.12 Demonstrate casing and elastic installation.		
20.13 Demonstrate machine hemming following machine manual instructions.	LAFS.910.RI.4.10 LAFS.910.L.3.6	
20.14 Identify types of sergers and their characteristics.		
21.0 Demonstrate an understanding of the importance of how eco fashion decisions impact the environment, consumer health and the working conditions of people in the fashion industry– The student will be able to:		
21.01 Demonstrate an understanding of eco-fashion.	LAFS.910.L.3.6 LAFS.910.W.3.7,8,9 LAFS.910.W.4.10 LAFS.910.W.2.4,5,6 LAFS.910.SL.1.3	SC.912.L.17.20 SC.912.L.17.8
21.02 Identify materials that can be used to make eco-friendly fashions and accessories and why these materials are eco-friendly.	LAFS.910.L.3.6 LAFS.910.W.3.7,8,9 LAFS.910.W.4.10 LAFS.910.W.2.4,5,6 LAFS.910.SL.1.3	SC.912.L.17.20 SC.912.L.17.8
21.03 Compare the working conditions of employees in the workplace when materials are produced following eco-friendly guidelines and when they are not.	LAFS.910.L.3.6 LAFS.910.W.3.7,8,9 LAFS.910.W.4.10 LAFS.910.W.2.4,5,6 LAFS.910.SL.1.3	SC.912.L.17.20 SC.912.L.17.8
21.04 Research methods for using vegetable and plant materials for eco-friendly fashions and replacing these materials back into the environment.	LAFS.910.L.3.6 LAFS.910.W.3.7,8,9 LAFS.910.W.4.10 LAFS.910.W.2.4,5,6 LAFS.910.SL.1.3	SC.912.L.17.20 SC.912.L.17.8 SC.912.N.1.1 SC.912.L.14.7 SC.912.L.18.1
21.05 Describe ways to be eco-friendly and the environmental and social responsibility of eco-friendly methods.	LAFS.910.L.3.6 LAFS.910.W.3.7,8,9 LAFS.910.W.4.10 LAFS.910.W.2.4,5,6 LAFS.910.SL.1.3	SC.912.L.17.20 SC.912.L.17.8

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
21.06 Design and create an eco-friendly fashion product.		SC.912.L.17.20 SC.912.L.17.8 SC.912.N.1.1

**Florida Department of Education  
Student Performance Standards**

**Course Title:** Pattern Design Techniques  
**Course Number:** 8506420  
**Course Credit:** 1

**Course Description:**

This course is the third course in the Fashion Design Services program. It is designed to further develop competencies in the area of fashion design services. It includes researching history and culture's effect on design, sketching and free hand drawing, use of technology in the fashion industry, clothing needs for special populations, and creation of an original pattern.

**Abbreviations:**

FS-M/LA = Florida Standards for Math/Language Arts

NGSSS-Sci = Next Generation Sunshine State Standards for Science

*Note: This course is pending alignment in the following categories: FS-M/LA and NGSSS-Sci.*

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
25.0 Research how fashion design is affected by history and culture—The student will be able to:		
25.01 Identify design periods from 1900 to the present day.	LAFS.1112.L.3.6 LAFS.1112.RI.3.7 LAFS.1112.W.3.7,8 LAFS.1112.W.4.10 LAFS.1112.W.1.2 LAFS.1112.W.2.4,5,6 LAFS.1112.SL.1.1,3 LAFS.1112.SL.2.4,5,6 LAFS.1112.L.1.1,2	SC.912.L.15.1
25.02 Explain the influence of earlier design periods on present day design.	LAFS.1112.L.3.6 LAFS.1112.RI.3.7 LAFS.1112.W.3.7,8 LAFS.1112.W.4.10 LAFS.1112.W.1.2 LAFS.1112.W.2.4,5,6 LAFS.1112.SL.1.1,3 LAFS.1112.SL.2.4,5,6 LAFS.1112.L.1.1,2	SC.912.L.15.1
25.03 Describe the elements and principles of design as they relate to a particular time period/culture.	LAFS.1112.L.3.6 LAFS.1112.RI.3.7	SC.912.P.10.19 SC.912.P.8.2

CTE Standards and Benchmarks		FS-M/LA	NGSSS-Sci
		LAFS.1112.W.3.7,8 LAFS.1112.W.4.10 LAFS.1112.W.1.2 LAFS.1112.W.2.4,5,6 LAFS.1112.SL.1.1,3 LAFS.1112.SL.2.4,5,6 LAFS.1112.L.1.1,2	SC.912.N.1.1
25.04	Create a multi-media presentation detailing a selected design period.	LAFS.1112.L.3.6 LAFS.1112.RI.3.7 LAFS.1112.W.3.7,8 LAFS.1112.W.4.10 LAFS.1112.W.1.2 LAFS.1112.W.2.4,5,6 LAFS.1112.SL.1.1,3 LAFS.1112.SL.2.4,5,6 LAFS.1112.L.1.1,2	SC.912.N.1.1
26.0	Demonstrate sketching and free hand drawing skills–The student will be able to:		
26.01	Demonstrate sketching and shading techniques.	MAFS.912.N-Q.1.1,2,3 MAFS.912.G-CO.1.1,2,3,4,5 MAFS.912.G-SRT.1.1,2	SC.912.N.3.5
26.02	Create inspiration boards to display the sketches and drawings.	LAFS.1112.W.4.10	SC.912.N.1.1
26.03	Select and develop a design collection according to determined criteria using sketching and shading techniques to be used in portfolio.	LAFS.1112.W.4.10	SC.912.N.1.1
27.0	Demonstrate an understanding of how technology is used in the fashion industry–The student will be able to:		
27.01	Research and list software available in the area of fashion design.	LAFS.1112.W.4.10	SC.912.N.1.1
27.02	Demonstrate an understanding of how current technologies (CAD, electronic sewing, knitting, embroidery machines, sergers) are used in the creation of fashion products (e.g. fashion profiles, fabrics, garments).		
27.03	Analyze how certain technologies are used in the fashion design industry.		
27.04	Create a fashion product using two or more technologies appropriately.		SC.912.N.1.1
27.05	Research innovations in materials and technologies that have contributed to safeguards in the tools and equipment used in design services.	LAFS.1112.W.4.10	SC.912.N.1.1
27.06	Identify the development of tools, equipment and technology used in design services as they relate to particular historical periods.	LAFS.1112.L.3.6 LAFS.1112.W.4.10	SC.912.N.1.1 SC.912.L.15.1
28.0	Identify the psychological and practical needs for clothing for special markets–The student will be able to:		

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
28.01 List human and environmental factors that could impact a design (e.g. uniforms, clothing in non-standard sizes, clothing for people with disabilities, maternity wear, clothing for children and the elderly, protective clothing for dangerous conditions and climatic extremes, purpose-designed clothing for sports, leisure, and entertainment industries).	LAFS.1112.L.3.6 LAFS.1112.W.4.10	SC.912.L.17.20
28.02 Plan and implement a fashion design project based on a specific human or environmental factor.		SC.912.L.17.20 SC.912.N.1.1
29.0 Create an original pattern for a garment–The student will be able to:		
29.01 Plan and report on a fashion design project using established criteria.	LAFS.1112.SL.2.4,5,6	SC.912.N.1.1
29.02 Using appropriate software, insert body measurements to produce a pattern.		SC.912.N.1.1
29.03 Create a muslin prototype of the pattern.	MAFS.912.G-GMD.2.4	SC.912.N.1.1 SC.912.N.3.5
29.04 Evaluate the prototype for proper fit and adjust as needed.	MAFS.912.G-GMD.2.4	SC.912.N.1.1 SC.912.N.3.5
29.05 Construct a specialty garment(s) according to teacher instructions - project must include a minimum number of construction skills as designated by teacher.		SC.912.N.1.1 SC.912.N.3.5
30.0 Demonstrate alteration skills on a sample or garment–The student will be able to:		
30.01 Remove stitches in ready-made garments without damaging fabric.		
30.02 Mark and even a hemline following guidelines.		
30.03 Lengthen and shorten hems in pants, skirts, or dresses (include cuffs and use of hem tape)	MAFS.912.G-MG.1.3	
30.04 Remove the flare from pant legs following a given set of directions.	MAFS.912.G-CO.2.6,7 MAFS.912.G-GMD.1.3	
30.05 Taper a skirt following a given set of directions.	MAFS.912.G-CO.2.6,7 MAFS.912.G-GMD.1.3	
30.06 Shorten the crotch rise in a garment/sample.	MAFS.912.G-CO.2.6,7 MAFS.912.G-GMD.1.3	
30.07 Take in the waist on a man's garment/sample.	MAFS.912.G-CO.2.6,7 MAFS.912.G-GMD.1.3	
30.08 Take in the waist on a woman's garment/sample.	MAFS.912.G-CO.2.6,7 MAFS.912.G-GMD.1.3	
30.09 Take in the side seams on a blouse/shirt.	MAFS.912.G-CO.2.6,7 MAFS.912.G-GMD.1.3	
30.10 Shorten sleeves at the cuff on a garment/sample.	MAFS.912.G-CO.2.6,7 MAFS.912.G-GMD.1.3	

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
30.11 Shorten sleeves at the shoulder cap on a garment/sample.	MAFS.912.G-CO.2.6,7 MAFS.912.G-GMD.1.3	
30.12 Finish seams and press altered areas using pressing techniques.		SC.912.L.18.12 SC.912.P.8.2
31.0 Demonstrate clothing repair on a garment or sample–The student will be able to:		
31.01 Reinforce seams and buttonholes on a garment/sample.		
31.02 Replace zippers in various types of garments/samples (including fly/jeans).		
31.03 Apply patches on a garment/sample.		
31.04 Replace various types of buttons on a garment/sample.		
31.05 Demonstrate appropriate pressing techniques on repaired garments/samples.		SC.912.L.18.12 SC.912.P.8.2

**Florida Department of Education  
Student Performance Standards**

**Course Title:** Fashion Design Specialist  
**Course Number:** 8506430  
**Course Credit:** 1

**Course Description:**

This course is the fourth course in the Fashion Design Services program. It is designed to further develop competencies in the area of Fashion Design Services. This course focuses on five specialty areas of Fashion Design Services: Window Display, Fashion Design Assistant, Tailor's Assistant, Personal Shopper, and Stylist. Students will select one of those specialty areas and will be expected to follow the performance standards for that area. Also included is an opportunity for job shadowing and students will be expected to finalize and submit a portfolio.

**Abbreviations:**

FS-M/LA = Florida Standards for Math/Language Arts

NGSSS-Sci = Next Generation Sunshine State Standards for Science

*Note: This course is pending alignment in the following categories: FS-M/LA and NGSSS-Sci.*

<b>CTE Standards and Benchmarks</b>		<b>FS-M/LA</b>	<b>NGSSS-Sci</b>
32.0	Identify and describe the different specialties related to Fashion Design Services: Window Display, Fashion Design Assistant, Tailor's Assistant, Personal Shopper, Stylist—The student will be able to:		
32.01	Identify future trends in Fashion Design Services.	LAFS.1112.W.3.7	SC.912.N.1.1
32.02	Research, identify, and describe the different job responsibilities of a Window Displayer, Fashion Design Assistant, Tailor's Assistant, Personal Shopper, and Stylist.	LAFS.1112.W.3.7	SC.912.N.1.1
33.0	Select one specialty area and complete the student performance standards for that area—The student will be able to:		
<b>Window Display</b>			
33.01	Demonstrate knowledge of the elements of design: color, line, proportion, scale, harmony, and light.	MAFS.912.G.CO.1.1 MAFS.912.G-MG.1.1 MAFS.912.G-SRT.1.1 MAFS.912.G-SRT.2.5 MAFS.912.G-CO.2.6	SC.912.P.10.19 SC.912.P.8.2 SC.912.N.1.1
33.02	Demonstrate an understanding of fashion as an ethno-cultural expression.		
33.03	Demonstrate space planning in a window display according to a given criteria.	MAFS.912.G-SRT.1.1 MAFS.912.G-SRT.2.5	SC.912.P.10.18

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
33.04 Develop window displays in accordance with seasonal promotions.	MAFS.912.G-SRT.1.1 MAFS.912.G-SRT.2.5	SC.912.P.10.18
33.05 Plan and create a window display project given established criteria.	MAFS.912.G-SRT.1.1 MAFS.912.G-SRT.2.5	SC.912.N.1.1 SC.912.P.10.18
<b>Fashion Design Assistant</b>		
33.06 Demonstrate knowledge of pattern making.	MAFS.912.G-GMD.2.4	
33.07 Apply techniques of design draping.		
33.08 Exhibit effective communication skills.		
33.09 Demonstrate computer skills.		
33.10 Demonstrate garment construction skills.		
33.11 Explain the elements of design.	MAFS.912.G-CO.1.1 MAFS.912.G-MG.1.1 MAFS.912.G-SRT.1.1 MAFS.912.G-SRT.2.5 MAFS.912.G-CO.2.6	
33.12 Demonstrate appropriate customer relations skills.		
33.13 Plan and develop a project related to fashion design according to specifications given by designer.		SC.912.N.1.1
<b>Tailor's Assistant</b>		
33.14 Select suitable fabric for a tailored jacket using identified criteria.		SC.912.N.1.1
33.15 Select suitable hair canvas, interfacing, linings, and underlining for specified fabric.		SC.912.N.1.1 SC.912.P.8.2 SC.912.L.18.12
33.16 Prepare fabrics and alter patterns using pattern directions.	MAFS.912.G-CO.1.1	SC.912.N.1.1
33.17 Lay out patterns, bias, plaid, or one-way prints using correct layout procedures.	MAFS.912.G-CO.1.1,2,3, 4,5	SC.912.N.1.1
33.18 Cut patterns, fabric, hair canvas, and linings according to given directions.		SC.912.N.1.1
33.19 Tailor tack markings using the proper techniques.		SC.912.N.1.1
33.20 Baste and fit a garment according to customer specifications.	MAFS.912.G-CO.1.3	SC.912.N.1.1
33.21 Stitch seams using correct stitches for fabric.		SC.912.N.1.1
33.22 Apply seam finishes chosen from practice samples.		SC.912.N.1.1

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
33.23 Apply zippers according to manufacturer's instructions and the application chosen for different types of garments.		SC.912.N.1.1
33.24 Construct tailored pockets following given directions.	MAFS.912.G-CO.1.1,3 MAFS.912.G-GPE.2.4,5,6,7	SC.912.N.1.1
33.25 Construct buttonholes following given directions.	MAFS.912.G-CO.1.1,3 MAFS.912.G-GPE.2.4,5,6,7	SC.912.N.1.1
33.26 Construct chest pieces, shoulder pads, and sleeve heads following given directions.	MAFS.912.G-CO.1.1,3 MAFS.912.G-GPE.2.4,5,6,7	SC.912.N.1.1
33.27 Set in sleeves following given directions.	MAFS.912.G-CO.1.1,3 MAFS.912.G-GPE.2.4,5,6,7	SC.912.N.1.1
33.28 Construct and apply upper collar and facings following given directions.	MAFS.912.G-CO.1.1,3 MAFS.912.G-GPE.2.4,5,6,7	SC.912.N.1.1
33.29 Construct and apply linings according to fabric requirements.	MAFS.912.G-GMD.2.4	SC.912.N.1.1
33.30 Construct hems using proper techniques for fabric/garment style.	MAFS.912.G-MG.1.3	SC.912.N.1.1
33.31 Select patterns and cut fabric for tailored pants.	MAFS.912.G-CO.1.1,3 MAFS.912.G-GPE.2.4,5,6,7 MAFS.912.G-GMD.2.4 MAFS.912.G-MG.1.3	SC.912.N.1.1
33.32 Alter patterns and cut fabric for tailored pants according to	MAFS.912.G-CO.1.1,3 MAFS.912.G-GPE.2.4,5,6,7 MAFS.912.G-GMD.2.4 MAFS.912.G-MG.1.3	SC.912.N.1.1
33.33 Fit and construct tailored pants according to customer specifications.	MAFS.912.G-CO.1.1,3 MAFS.912.G-GPE.2.4,5,6,7 MAFS.912.G-GMD.2.4 MAFS.912.G-MG.1.3	SC.912.N.1.1
33.34 Construct and apply linings to tailored pants using proper techniques.	MAFS.912.G-CO.1.1,3 MAFS.912.G-GPE.2.4,5,6,7 MAFS.912.G-GMD.2.4 MAFS.912.G-MG.1.3	SC.912.N.1.1
33.35 Refit and alter a ready to wear garment according to customer specifications.	MAFS.912.G-CO.1.1,3 MAFS.912.G-GPE.2.4 MAFS.912.G-GPE.2.5,6,7 MAFS.912.G-GMD.2.4	SC.912.N.1.1

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
	MAFS.912.G-MG.1.3	
<b>Costume Design</b>		
33.36 Demonstrate taking body measurements using the correct measuring method.		SC.912.N.1.1
33.37 Compare and alter basic patterns according to given instructions.		SC.912.N.1.1
33.38 Construct a basic muslin shell using customer's measurements and/or pattern.	MAFS.912.G-GMD.2.4	SC.912.N.1.1
33.39 Transfer fitting changes to paper patterns following given directions.		SC.912.N.1.1
33.40 Construct an oak tag board sloper from muslin following given demonstration.		SC.912.N.1.1
33.41 Draft a pattern according to costume specifications.		SC.912.N.1.1
33.42 Identify and describe styles that suit body types.		SC.912.N.1.1
33.43 Identify and design garments to suit body types.		SC.912.N.1.1
33.44 Choose fabric for body type and design based on customer criteria.		SC.912.N.1.1
33.45 Design garments for dance, theater, sports activities, costumes, music videos, and print ads.		SC.912.N.1.1
33.46 Define draping and demonstrate the draping method of design.		SC.912.N.1.1
<b>Personal Shopper</b>		
33.47 Demonstrate effective communication skills.		
33.48 Identify different body types.		SC.912.L.15.4
33.49 Identify and demonstrate knowledge of appropriate attire for various ages, body types, and occasions.		
33.50 Demonstrate an understanding of the relationship between color and skin tones.		SC.912.P.10.17
33.51 Demonstrate the ability to work within a customer's budget.	MAFS.912.N-Q.1.1,2,3	SC.912.N.1.1
33.52 Coordinate wardrobe essentials.		SC.912.N.1.1
33.53 Plan and develop a personal shopping project according to clients' established criteria.		SC.912.N.1.1
33.54 Exhibit skills necessary for a quality presentation of selections to clients.		SC.912.N.1.1
33.55 Identify future trends in personal shopping.	MAFS.912.S-IC.2.6	SC.912.N.1.1

CTE Standards and Benchmarks	FS-M/LA	NGSSS-Sci
<b>Stylist</b>		
33.56 Demonstrate effective communication skills.		
33.57 Identify different body types.		SC.912.L.15.4
33.58 Identify and demonstrate knowledge of appropriate attire for various ages, body types, and occasions.		SC.912.N.1.1
33.59 Demonstrate an understanding of the relationship between color and skin tones.		SC.912.P.10.17 SC.912.N.1.1
33.60 Demonstrate the ability to work within a customer's budget.	MAFS.912.N-Q.1.1,2,3	SC.912.N.1.1
33.61 Identify future trends and future techniques in styling sets.	MAFS.912.S-IC.2.6	SC.912.N.1.1
33.62 Identify and select fashion and accessories based on specific criteria.		SC.912.N.1.1
33.63 Explain how the media has helped to define fashion and influence design trends.		SC.912.N.1.1
33.64 Coordinate wardrobe essentials.		SC.912.N.1.1
33.65 Plan and develop a stylist project based on established criteria.		SC.912.N.1.1
34.0 (Optional) Schedule and participate in Fashion Design Services job shadowing--The student will be able to:		
34.01 Research persons working in the Fashion Design Services profession within the local area.		SC.912.N.1.1
34.02 Formalize in writing, a job shadowing experience, applying knowledge gained within the program and using the guidelines set by the district, instructor and employer and using knowledge synthesized within the program.	LAFS.1112.W.1.3 LAFS.1112.W.2.4,5,6	
35.0 Finalize a fashion portfolio per industry standards--The student will be able to:		
35.01 Submit a portfolio including all work from the Fashion Technology and Design Services program.	LAFS.1112.W.2.4,5,6	
35.02 Construct basic hand techniques.		
35.03 Stay stitching and ease stitching.		