

Correlation of
Apparel: Design, Textiles & Construction
 to Pre-PAC
 Domains and Competencies
Fashion, Textiles, and Apparel

The American Association of Family and Consumer Sciences (AAFCS) in collaboration with AAFCS members and business, industry, and education leaders developed the *Pre-Professional Assessment and Certification (Pre-PAC) Program*. AAFCS administers these standards-based assessments for pre-professionals in family and consumer sciences career areas. The background sources used in developing these assessments are driven by the industry standards with input from business and industry leaders, the NASAFACS National Standards for Family and Consumer Sciences, and the Career Clusters Initiative.

The following chart correlates the domains and competencies of the *Fashion, Textiles, and Apparel* Pre-PAC assessment with the content of ***Apparel: Design, Textiles & Construction***. For each competency, the chart lists the chapter number(s) and appendix that identify the content location.

After studying the content of this text, students will be able to achieve the following competencies:

Domain 1: Career Paths		
Competency 1A: Explain the roles and functions of individuals engaged in fashion, textiles, and apparel careers		Text Concepts (Related Text Components) To address more of the concepts covered by this competency, see the G-W text <i>Fashion Marketing & Merchandising</i>
1.A.1	Employment opportunities in the fashion, textiles, and apparel industry	Ch. 4, 6, 14, 29, 30, 31
1.A.2	Functions and responsibilities associated with	Ch. 4, 6, 14, 30, 31

	fashion, textiles, and apparel career paths	
1.A.3	Differences between fashion merchandising careers and fashion design careers	Ch. 4, 6, 31
1.A.4	Career preparation	Ch. 4, 29, 30, 31
1.A.5	Physical and emotional traits and characteristics of individuals engaged in fashion, textiles, and apparel careers.	Ch. 4, 29, 30, 31
1.A.6	Job search skills	Ch. 30
Competency 1B: Explain employment opportunities related to clothing construction		Text Concepts (Related Text Components)
1.B.1	Breadth of clothing construction careers	Ch. 4, 6, 30
1.B.2	Job titles and duties associated with clothing construction	Ch. 4, 6, 30
1.B.3	Skills required in clothing construction positions	Ch. 4, 6, 16, 17, 22, 23, 24, 25, 26, 27, 28, 29, 30
1.B.4	Workplace behavior and expectations	Ch. 4, 5, 30, 31
Competency 1C: Analyze opportunities for employment and entrepreneurial endeavors		Text Concepts (Related Text Components)
1.C.1	Cost/benefit analysis of job requirements	Ch. 30, 31
1.C.2	Salaries and benefits of employment.	Ch. 30, 31
1.C.3	Entrepreneurial possibilities	Ch. 31
1.C.4	Personality traits best suited to entrepreneurs and employees	Ch. 30, 31
1.C.5	Small Business Administration	Ch. 31
Competency 1D: Summarize education and training requirements and opportunities for career paths in fashion, textiles, and apparel		Text Concepts (Related Text Components) To address more of the concepts covered by this competency, see the G-W text <i>Fashion Marketing & Merchandising</i>
1.D.1	Education and training required for employment in the industry	Ch. 4, 6, 30
1.D.2	Education and training for fashion design and	Ch. 4, 6, 30

	apparel careers	
1.D.3	Education and training for merchandising careers	Ch. 4, 30
Competency 1E: Analyze the effects of fashion, textiles, and apparel occupations on local, state, national and global economies		Text Concepts (Related Text Components) To address more of the concepts covered by this competency, see the G-W text <i>Fashion Marketing & Merchandising</i>
1.E.1	Gross Domestic Product (GDP)	-----
1.E.2	Developmental stages of fashion, textiles, and apparel production	Ch. 2, 4, 5, 6
1.E.3	Made in the USA campaign	Ch. 5, 9
1.E.4	Impact of the industry on the economies of third world and developing countries	Ch. 5
Competency 1F: Create an employment portfolio for use when applying for internships and work-based learning		Text Concepts (Related Text Components)
1.F.1	Personality assessments	Ch. 30, 31
1.F.2	Portfolio development	Ch. 30
1.F.3	Résumé development	Ch. 30
1.F.4	Interviewing skills	Ch. 30
1.F.5	Career and employment resources	Ch. 29, 30, 31
1.F.6	Internships and job shadowing	Ch. 30
Competency 1G: Analyze the role of professional organizations in fashion, textiles, and apparel industries		Text Concepts (Related Text Components)
1.G.1	Advantages of membership in professional organizations	Ch. 6, 29, 30
1.G.2	International Textile and Apparel Association	-----
1.G.3	Fashion Group International	Ch. 6
1.G.4	Council of Fashion Designers	Ch. 6
Domain 2: Textile Fiber Products and Materials		

Competency 2A: Apply appropriate terminology for the most common generic textile fibers		Text Concepts (Related Text Components)
2.A.1	Natural fibers (i.e., names/examples, types, uses, sources)	Ch. 3, 5, 18
2.A.2	Manufactured or synthetic fibers (i.e., names/examples, types, uses, sources)	Ch. 3, 5, 19
2.A.3	Fiber manufacturing process	Ch. 3, 4, 5, 18, 19, 20
2.A.4	Fabrication	Ch. 4, 20
2.A.5	Finishes	Ch. 4, 21
Competency 2B: Evaluate performance characteristics of textile fibers and fabrics		Text Concepts (Related Text Components)
2.B.1	Aesthetic properties	Ch. 12, 21
2.B.2	Durability properties	Ch. 11, 12, 21
2.B.3	Comfort properties	Ch. 12, 21
2.B.4	Appearance retention properties	Ch. 11, 12, 21
2.B.5	Fiber blends	Ch. 20
Competency 2C: Summarize textile legislation, standards, and labeling in the global economy		Text Concepts (Related Text Components)
2.C.1	Legal and environmental concerns of the industry	Ch. 5, 6, 8, 9, 18, 21
2.C.2	Textile laws and regulations	Ch. 5, 9, 14
2.C.3	Labeling of textile products	Ch. 5, 9, 14
Competency 2D: Analyze effects of textile characteristics on design, construction, care, use, and maintenance of products		Text Concepts
2.D.1	Suitability of fibers and fabrics to end use	Ch. 18, 19, 20, 21, 23, 27
2.D.2	Fabric performance abilities (i.e., wicking, stretching, etc.)	Ch. 18, 19, 20, 21, 23, 27
2.D.3	Equipment used in the manufacturing and construction of fibers	Ch. 18, 19, 20, 21

2.D.4	Effects of textiles on construction (i.e., knitting, weaving, etc.)	Ch. 20, 23, 27
2.D.5	Finishes (i.e., flame retardant, Mercerization, etc.)	Ch. 21
Competency 2E: Apply appropriate procedures for care of textile products		Text Concepts (Related Text Components)
2.E.1	Soil removal	Ch. 13, 14
2.E.2	Laundering	Ch. 13, 14
2.E.3	Dry cleaning	Ch. 14
2.E.4	Garment care labels	Ch. 9, 13, 14
2.E.5	Types of laundering products	Ch. 13
2.E.6	Environmental concerns of laundry or care products	Ch. 13
2.E.7	Recycling and disposal of textile products	Ch. 5, 8, 15, 18
Domain 3: <i>Design Skills</i>		
Competency 3A: Explain ways in which fiber, fabric, texture, pattern and finish can affect visual appearance		Text Concepts (Related Text Components)
3.A.1	Optical illusions	Ch. 16, 17
3.A.2	Influence of design elements on appearance	Ch. 16, 17
3.A.3	Influences of the principles of design on appearance	Ch. 17
3.A.4	Harmonious use of fibers, fabrics, textures, patterns, and finishes	Ch. 17, 20, 21
Competency 3B: Apply basic and complex color schemes and color theory to develop and enhance visual effects		Text Concepts (Related Text Components)
3.B.1	Color types	Ch. 16
3.B.2	Color wheel	Ch. 16
3.B.3	Color schemes	Ch. 16
3.B.4	Warm colors vs. cool colors	Ch. 16
3.B.5	Value	Ch. 16

3.B.6	Hue	Ch. 16
3.B.7	Shades vs. tints	Ch. 16
3.B.8	Intensity	Ch. 16
3.B.9	Neutral colors	Ch. 16
Competency 3C: Utilize elements and principles of design in designing, constructing, and/or altering fashion, textiles, and apparel products		Text Concepts (Related Text Components)
3.C.1	Elements of design (space, shape, form, line, color, texture)	Ch. 16, 17
3.C.2	Principles of design (rhythm, unity, emphasis, balance, proportion)	Ch. 17
3.C.3	Application of design elements and principles in apparel	Ch. 16, 17
3.C.4	Embellishments	Ch. 15, 16, 17, 24, 27
Competency 3D: Demonstrate design concepts with fabric or technology/computer, using draping and/or flat pattern making techniques		Text Concepts (Related Text Components)
3.D.1	Draping techniques	Ch. 6
3.D.2	Pattern engineering	Ch. 4, 5
3.D.3	Digitizing for pattern making, marker making, sizing, and grading	Ch. 4, 5, 6
3.D.4	Computer aided design	Ch. 5, 6
3.D.5	Colorways	-----
Competency 3E: Generate design that takes into consideration ecological, environmental, sociological, psychological, technical, and economic trends and issues		Text Concepts (Related Text Components)
3.E.1	"Green" or eco-friendly textile and apparel products	Ch. 5, 8, 18, 21
3.E.2	Ecological and environmental impact (i.e., insecticides, production, finishes)	Ch. 5, 8, 18, 21
3.E.3	Scientific Certifications Systems	-----
3.E.4	Historical influences on fashion and design	Ch. 2, 3, 6
3.E.5	Social and psychological functions of	Ch. 1, 7, 12

	clothing	
3.E.6	Costs of production	Ch. 4, 5, 6
3.E.7	Costs and environmental implications for disposal (i.e., recycling, resale, etc.)	Ch. 5, 8, 15, 18, 21
Competency 3F: Demonstrate ability to use technology for fashion, textile, and apparel construction and design		Text Concepts (Related Text Components)
3.F.1	Computerized sewing machines	Ch. 24, 28
3.F.2	Computer aided design	Ch. 4, 5, 6
3.F.3	Sergers or overlock machines	Ch. 28
3.F.4	Textile and apparel design software	Ch. 4, 5, 6
Domain 4: <i>Fashion, Textile, and Apparel Production</i>		
Competency 4A: Demonstrate professional skills in using a variety of equipment, tools, and supplies for fashion, textile and apparel construction, alteration or repair		Text Concepts (Related Text Components)
4.A.1	Parts of the sewing machine (i.e., proper name, function, and use)	Ch. 24
4.A.2	Use of the sewing machine (i.e., stitching charts, threading the machine, etc.)	Ch. 24
4.A.3	Use of overlock machine	Ch. 28
4.A.4	Tools and supplies for marking	Ch. 24
4.A.5	Sewing tools and supplies	Ch. 24
4.A.6	Tools and supplies for cutting	Ch. 24
4.A.7	Tools and supplies for measuring	Ch. 24
4.A.8	Commercial patterns	Ch. 3, 22, 23
Competency 4B: Demonstrate basic and specialized techniques in the construction of a garment		Text Concepts (Related Text Components)
4.B.1	Types of stitching (i.e., machine stitching, basting, understitching)	Ch. 26
4.B.2	Seams and seam finishes	Ch. 26
4.B.3	Casings and waistbands	Ch. 27
4.B.4	Closures	Ch. 26

4.B.5	Collars and cuffs	Ch. 27
4.B.6	Darts	Ch. 26
4.B.7	Facings	Ch. 26
4.B.8	Interfacing	Ch. 26
4.B.9	Sleeves	Ch. 27
4.B.10	Hems	Ch. 26
4.B.11	Buttons and buttonholes	Ch. 26
Competency 4C: Explain production processes for creating fibers, yarns, woven, knit, and non-woven textile products		Text Concepts (Related Text Components)
4.C.1	Filament yarns	Ch. 19
4.C.2	Staple yarns	Ch. 19
4.C.3	Spun yarns	Ch. 20
4.C.4	Fiber blends	Ch. 20
4.C.5	Fabrication	Ch. 4, 20
4.C.6	Basic weaves (i.e., plain, twill, satin)	Ch. 20
4.C.7	Knit fabrics	Ch. 20, 23, 27
4.C.8	Nonwoven fabrics (i.e., solutions, fiberweb, braiding, lace)	Ch. 20
Competency 4D: Use appropriate industry products and materials for cleaning, pressing, and finishing fashion, textile and apparel products		Text Concepts (Related Text Components)
4.D.1	Laundry aids	Ch. 13, 14
4.D.2	Fabric softeners	Ch. 13, 14
4.D.3	Detergents	Ch. 13, 14
4.D.4	Bleach	Ch. 13, 14
4.D.5	Pretreatment of stains	Ch. 13, 14
4.D.6	Stain removal	Ch. 13, 14
4.D.7	Starch	Ch. 13
4.D.8	Fabric sizing	Ch. 13
Competency 4E: Analyze current technology and trends that facilitate design and production of fashion, textile and		Text Concepts (Related Text Components)

apparel products		
4.E.1	Computer aided design	Ch. 4, 5, 6
4.E.2	Computerized equipment	Ch. 4, 5, 6
4.E.3	Computerized sewing machines	Ch. 24, 28
4.E.4	Technological advances	Ch. 4, 5, 6
Competency 4F: Demonstrate basic skills of pattern selection and layout		Text Concepts (Related Text Components)
4.F.1	Pattern selection (information on pattern envelope, pattern types and sizes, etc.)	Ch. 23
4.F.2	Fabric selection	Ch. 23
4.F.3	Selection of notions	Ch. 23, 24
4.F.4	Cutting layout and cutting	Ch. 24, 25
4.F.5	Marking procedures	Ch. 24, 25
Competency 4G: Demonstrate basic skills for producing and altering textile and apparel products		Text Concepts (Related Text Components) To address more of the concepts covered by this competency, see the G-W text <i>Fashion Marketing & Merchandising</i>
4.G.1	Slopers	Ch. 4
4.G.2	Basic measurements	Ch. 22
4.G.3	Pattern ease	Ch. 22
4.G.4	Crotch length and depth alterations or adjustments	Ch. 22
4.G.5	Back and front waist length alterations or adjustments	Ch. 15, 22, 25
4.G.6	Waist and hip adjustments and alterations	Ch. 15, 22, 25
4.G.7	Length alterations and adjustments	Ch. 15, 22, 25
4.G.8	Sleeve alterations and adjustments	Ch. 22, 26
4.G.9	Hem adjustments	Ch. 15, 22, 25
Domain 5: Fashion Merchandising		

Competency 5A: Apply marketing strategies for fashion, textile, and apparel products		Text Concepts (Related Text Components) To address more of the concepts covered by this competency, see the G-W text <i>Fashion Marketing & Merchandising</i>
5.A.1	Levels of promotion (i.e., primary, secondary, and retail)	Ch. 4
5.A.2	Objectives of marketing (i.e., inform, awaken, persuade, pave the way, gain loyalty)	Ch. 4, 10
5.A.3	Print marketing strategies	Ch. 4, 10, 31
5.A.4	Media marketing strategies	Ch. 4, 5, 6, 10, 31
5.A.5	Internet marketing strategies	Ch. 4, 5, 6, 10, 31
5.A.6	Qualitative and quantitative marketing research	Ch. 4, 5, 6
5.A.7	Visual display categories	Ch. 4, 10
5.A.8	Retail types (i.e., department stores, specialty stores, boutiques, discount stores)	Ch. 4, 10
Competency 5B: Analyze the cost of constructing, manufacturing, altering, or repairing fashion, textile and apparel products		Text Concepts (Related Text Components) To address more of the concepts covered by this competency, see the G-W text <i>Fashion Marketing & Merchandising</i>
5.B.1	Labor costs	Ch. 31
5.B.2	Cost sheets	Ch. 31
5.B.3	Factors influencing costs	Ch. 4, 11, 31
5.B.4	Mass production	Ch. 3, 4, 5
5.B.5	Wholesale vs. retail prices	Ch. 4
Competency 5C: Analyze ethical considerations for merchandising textile and apparel products		Text Concepts (Related Text Components) To address more of the concepts covered by this competency, see

		the G-W text <i>Fashion Marketing & Merchandising</i>
5.C.1	Counterfeit goods (i.e., knock-offs, forgeries)	Ch. 5, 6
5.C.2	Sweatshops	Ch. 5
5.C.3	Ethical treatment of employees	Ch. 5, 30
5.C.4	Child labor	Ch. 5
5.C.5	Employee hours and benefits	Ch. 5, 30
5.C.6	Exploitation in the industry	Ch. 5
5.C.7	Employee theft	Ch. 9, 30
Competency 5D: Apply external factors that influence merchandising		Text Concepts (Related Text Components) To address more of the concepts covered by this competency, see the G-W text <i>Fashion Marketing & Merchandising</i>
5.D.1	Political factors	Ch. 1, 3, 5
5.D.2	Social factors	Ch. 1, 3, 7
5.D.3	Psychological factors	Ch. 1, 3
5.D.4	Ethnic factors	Ch. 1, 3
5.D.5	Religious factors	Ch. 1, 3
5.D.6	Ethical factors	Ch. 5, 6, 10
5.D.7	Educational factors	Ch. 4, 7
5.D.8	Fashion adoption theories	Ch. 2, 3, 4, 6
Competency 5E: Critique varied methods for promoting textile and apparel products		Text Concepts (Related Text Components) To address more of the concepts covered by this competency, see the G-W text <i>Fashion Marketing & Merchandising</i>
5.E.1	Print promotions	Ch. 4, 6, 10, 31
5.E.2	Media promotions	Ch. 4, 5, 6, 10, 31
5.E.3	Internet promotions	Ch. 4, 5, 6, 10, 31
5.E.4	Special events	Ch. 4, 5, 6

5.E.5	Direct mail	Ch. 4, 10
5.E.6	Fashion shows	Ch. 4, 6
5.E.7	Cross-supporting ads	Ch. 4, 6, 10
5.E.8	Fashion cycle	Ch. 2
5.E.9	Service firms with advertising expertise	Ch. 4, 10
5.E.10	Visual displays and merchandising	Ch. 4, 10
Competency 5F: Apply research methods, including forecasting techniques for marketing textile and apparel products		Text Concepts (Related Text Components) To address more of the concepts covered by this competency, see the G-W text <i>Fashion Marketing & Merchandising</i>
5.F.1	Consumer market	Ch. 3, 4, 10
5.F.2	Microsegmentation	-----
5.F.3	Niche retailing	Ch. 4, 10
5.F.4	Database marketing	Ch. 4, 5, 6, 10
5.F.5	Quantitative and qualitative research marketing	Ch. 4
5.F.6	Multi-channel retailing	Ch. 4, 5, 6, 10
5.F.7	Fashion forecasting	Ch. 4
5.F.8	Prophetic fashions	Ch. 2, 4
5.F.9	Influences on consumer sentiment	Ch. 4, 29, 30
Domain 6: Customer Service		
Competency 6A: Analyze factors that contribute to quality customer relations		Text Concepts (Related Text Components) To address more of the concepts covered by this competency, see the G-W text <i>Fashion Marketing & Merchandising</i>
6.A.1	Attracting new customers	Ch. 4, 29, 30
6.A.2	Retaining existing customers	Ch. 4, 29, 30
6.A.3	Benefits of quality customer service	Ch. 4, 29, 30
6.A.4	Importance of quality process and	Ch. 4

	product design	
6.A.5	Consistency in customer service	Ch. 4, 29, 30
6.A.6	Employee morale	Ch. 4, 29, 30
6.A.7	Communication channels for customers	Ch. 4, 9, 29, 30
Competency 6B: Analyze the influences of cultural diversity as a factor in customer relations		Text Concepts (Related Text Components) To address more of the concepts covered by this competency, see the G-W text <i>Fashion Marketing & Merchandising</i>
6.B.1	Developing cultural competence	Ch. 1, 3, 7, 29
6.B.2	Appreciating and respecting cultural differences	Ch. 1, 3, 7, 29
Competency 6C: Demonstrate the skills necessary for quality customer service		Text Concepts (Related Text Components) To address more of the concepts covered by this competency, see the G-W text <i>Fashion Marketing & Merchandising</i>
6.C.1	Customer loyalty	Ch. 4, 29, 30
6.C.2	Patience	Ch. 4, 29, 30
6.C.3	Communication skills	Ch. 4, 29, 30
6.C.4	Problem solving skills	Ch. 4, 29, 30
6.C.5	Computer and technology skills	Ch. 4, 29, 30
Competency 6D: Use consumer skills to evaluate the quality of ready-made garments		Text Concepts (Related Text Components)
6.D.1	Assembly Quality Checklist	Ch. 11
6.D.2	Quality seams and seam finishes	Ch. 11, 26
6.D.3	Quality sleeves and hems	Ch. 11, 26, 27
Competency 6E: Create solutions to address customer concerns		Text Concepts (Related Text

		Components) To address more of the concepts covered by this competency, see the G-W text <i>Fashion Marketing & Merchandising</i>
6.E.1	Customer letter of complaint	Ch. 9, 30
6.E.2	Small Claims Court	-----
6.E.3	Return policies	Ch. 9
6.E.4	Credit reporting agencies	Ch. 9
6.E.5	Layaway policies	Ch. 9
6.E.6	Payment policies	Ch. 9
6.E.7	Customer Loyalty or Rewards Programs	Ch. 10
Domain 7: Operational Procedures		
Competency 7A: Analyze legislation, regulations, and public policy affecting the fashion, textile and apparel industries		Text Concepts (Related Text Components)
7.A.1	Laws regarding textile and apparel production, labeling, care, and disposal	Ch. 5, 6, 9, 14
7.A.2	Public policy and advocacy efforts of professional associations	Ch. 5, 6, 9, 14
7.A.3	Legal and environmental concerns	Ch. 5, 8, 15, 18, 21
7.A.4	Legislation and regulations associated with importing and exporting	Ch. 5, 9
Competency 7B: Analyze personal and employer responsibilities and liabilities regarding industry-related safety, security, and environmental factors		Text Concepts (Related Text Components) To address more of the concepts covered by this competency, see the G-W text <i>Fashion Marketing & Merchandising</i>
7.B.1	Fraud	Ch. 5, 6, 10
7.B.2	Identity theft	-----
7.B.3	Privacy policies	Ch. 10, 30
7.B.4	Credit issues	Ch. 10
7.B.5	Employee theft	Ch. 9, 30

Competency 7C: Analyze the effects of security and inventory control strategies, cash, and credit transaction methods, laws, and worksite policies, on loss prevention and store profit		Text Concepts (Related Text Components) To address more of the concepts covered by this competency, see the G-W text <i>Fashion Marketing & Merchandising</i>
7.C.1	Methods of loss prevention	Ch. 4
7.C.2	Safety and security of customers	Ch. 5, 30
7.C.3	Safety and security of employees	Ch. 5, 30
7.C.4	Shoplifting	Ch. 9
7.C.5	Shrinkage	-----
7.C.6	Layaway plans	Ch. 10
Competency 7D: Demonstrate procedures for reporting and handling accidents, safety, and security incidents		Text Concepts (Related Text Components) To address more of the concepts covered by this competency, see the G-W text <i>Fashion Marketing & Merchandising</i>
7.D.1	Safe retail environment	Ch. 5, 30
7.D.2	Responsibility for safety	Ch. 5, 30
7.D.3	Reporting accidents	Ch. 5, 30
7.D.4	OSHA	Ch. 5, 30
7.D.5	Emergency procedures	Ch. 5, 30
Competency 7E: Analyze operational costs such as mark ups, mark downs, cash flow, and other factors affecting profit		Text Concepts (Related Text Components) To address more of the concepts covered by this competency, see the G-W text <i>Fashion Marketing & Merchandising</i>
7.E.1	Loss	Ch. 4
7.E.2	Pricing strategies	Ch. 4, 6, 31
7.E.3	Price points	Ch. 4, 6
7.E.4	Markdowns	Ch. 10

7.E.5	Markups	Ch. 5
7.E.6	Inventory (i.e., control, leftover, etc.)	Ch. 4
7.E.7	Expense management	Ch. 4