

**APPAREL AND
TEXTILE DESIGN ATD**

**Department of Art, Art History,
and Design
College of Arts and Letters**

111 Basic Apparel Structuring
Fall, Spring. 1(0-2) RB: Basic garment construction skills.

Fundamentals of apparel structuring. Students enrolled in the course may complete the course requirements by passing a competency exam.

121 Explorations in Apparel and Textile Design
Fall, Spring. 3(0-6) P: STA 110 and STA 112 and STA 113 and STA 114 SA: HED 121

Art and design fundamentals applied to apparel design. Visual communication of design ideas through apparel and textile rendering. Design process, fashion theory, fabrication and exploration of two- and three-dimensional designing.

222 Structuring, Couture and Tailored Garments
Fall. 3(0-6) P: ATD 111 and (ATD 121 or concurrently) RB: Basic apparel construction. SA: HED 222

Advanced methods of garment assembly and fabric handling. Creative application of assembly techniques; tailoring and couture methods.

231 Textile Materials
Fall, Spring. 4(4-0) SA: HED 231

Formation and properties of fibers, yarns, structure, finish, color and design of fabrics. Textile specification and selection for end-use performance.

323 Apparel Pattern Design
Fall, Spring. 3(0-6) P: ATD 222 and (ATD 121 or concurrently) RB: (ATD 231) and basic apparel construction. SA: HED 323

Pattern design from standard templates and body measurements. Introduction to design studio environment. Creation of original designs.

325 Design by Draping
Spring. 3(0-6) P: ATD 222 and ATD 231 and (ATD 323 or concurrently) RB: Basic apparel construction, textile materials, and pattern drafting. SA: HED 323

Execution of original designs by fabric manipulation on a form. Evaluation of fit, drape, and balance.

332 Textile Design
Fall, Spring. 3(0-6) RB: (ATD 231 and ATD 335) and Basic apparel construction, textile materials, and pattern drafting R: Not open to freshmen. SA: HED 232

Textile design technology for surface design, knit and woven fabric development. Design organization, elements and principles.

335 Design Development and Presentation
Fall, Spring. 3(0-6) P: ATD 121 RB: (ATD 222 and ATD 332) and Understanding of how to use a personal computer and web browsers.

Technological exploration and creation of designs, technical drawings, storyboard presentations, and electronic portfolio.

423 Design Methods and Approaches
Fall. 3(0-6) A student may earn a maximum of 6 credits in all enrollments for this course. P: ATD 323 RB: Basic construction, pattern design, and draping

Research and execution of original apparel design across a variety of platforms and experimental approaches.

423S Senior Project in Design Methods and Approaches
Fall. 3(0-6) RB: Basic construction, pattern design, and draping R: Open to seniors in the Apparel and Textile Design major. Approval of department. C: ATD 423 concurrently.

Intensive research project focused on conceptual issues in design.

424 Specialized Design
Spring. 3(0-6) P: ATD 323 RB: Basic construction, pattern design, and draping. SA: HED 424

Implications of innovative technologies for the future of design, art, and manufacturing. Utilization of technologies to create innovative and highly complex designs. Practical experiences within technologies. Workflow scenarios including concept, drawing, modeling, production, and presentation.

426 History of Dress and Textiles
Fall, Spring. 3(3-0) SA: HED 426

History of dress and textiles as a reflection of the cultural milieu.

427 Knitwear Design
Fall. 3(0-6) A student may earn a maximum of 6 credits in all enrollments for this course. P: ATD 323 RB: Basic construction, pattern design and draping.

Fundamentals of knitwear design. Patternmaking and assembly techniques for cut-and-sew and full-fashioned knitwear.

427S Senior Project in Knitwear Design
Fall. 3(0-6) RB: Basic construction and pattern design R: Open to seniors in the Apparel and Textile Design major. Approval of department. C: ATD 427 concurrently.

Intensive research project focused on knitwear design.

428 Design Studio
Spring. 3(0-6) A student may earn a maximum of 6 credits in all enrollments for this course. P: ATD 323 RB: Apparel construction, pattern design, and draping

Execution of original apparel designs for a collection and exhibition.

428S Senior Project in Design Studio
Spring. 3(0-6) RB: Apparel construction, pattern design, and draping R: Open to seniors in the Apparel and Textile Design major. Approval of department. C: ATD 428 concurrently.

Intensive research project focused on individual collections and exhibition of design.

430 Dress, Culture and Human Behavior
Spring. 3(3-0) R: Not open to freshmen or sophomores.

Dress as an expression of self and reflection of society and global cultures. Effect of dress on human behavior at the personal, interpersonal, and social organizational levels.

431 Global Context for Sustainable Design
Fall. 3(3-0) R: Not open to freshmen or sophomores. SA: HED 431

Global patterns of apparel and textile production, distribution, and consumption. Employment practices and international trade policy. Natural resource use and its impact on sustainable design. Design process for sustainable apparel design.

439 Portfolio Development and Exhibition (W)
Fall. 3(3-0) P: (ATD 323) and completion of Tier I writing requirement RB: ATD 335 R: Open to juniors or seniors. SA: HED 439

Apparel and textile design philosophies, roles and ethics. Professional portfolio and exhibition(s). Capstone course.

490 Independent Study
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Not open to freshmen or sophomores. Approval of department. SA: HED 490

Independent study of selected topics in apparel and textile design.

490H Honors Independent Study
Fall, Spring, Summer. 1 to 10 credits. A student may earn a maximum of 10 credits in all enrollments for this course. R: Open to students in the Honors College. Approval of department. SA: HED 490H

Independent study of selected topics in apparel and textile design.

491A Special Topics in Apparel
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Not open to freshmen or sophomores. Approval of department.

Special topics supplementing regular course offerings.

491T Special Topics in Textiles
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Not open to freshmen or sophomores. Approval of department.

Special topics supplementing regular course offerings.

491TS Senior Project in Special Topics: Textiles
Fall, Spring. 3(0-6) RB: Basic textile design R: Open to seniors in the Apparel and Textile Design major. Approval of department. C: ATD 491T concurrently.

Intensive research project focused on individual textile design.

493 Internship in Apparel and Textiles
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. RB: ATD 323 and ATD 332 R: Approval of department. SA: HED 493B

Pre-professional experience in a selected business, industry, or community organization.