

APPAREL, TEXTILES AND DESIGN (ATD)

ATD 1190 Introduction to Fashion and the Apparel Industry (3 credits)

Introduction to the sewn product manufacturing and merchandising industry; overview of socio-cultural, historic, aesthetic, design, business, and economic factors; emphasis on careers in the sewn products industry. Students must complete this course with a grade of C or higher as a prerequisite to future Apparel, Textiles and Design (ATD) courses. Typically Offered: Fall.

ATD 1230 Textiles (3 credits)

Fiber, yarn, and fabric properties, color and finishes as they relate to performance, care, and consumer satisfaction. Students must complete this course with a grade of C or higher as a prerequisite to future Apparel, Textiles and Design (ATD) courses. Typically Offered: Spring.

ATD 1240 Introduction to Apparel Construction Studio (2 credits)

Introduction to hand sewing, home, and industrial sewing machinery to construct garments and products. Two 2.5-hour studios per week, 1 hour of outside studio time, and assigned work. Students must complete this course with a grade of C or higher as a prerequisite to future Apparel, Textiles and Design (ATD) courses. Typically Offered: Fall and Spring.

ATD 2230 Fashion Business and Product Development (3 credits)

Analysis of textile and apparel products and processes relative to design, development, and production methods, including evaluation of consumer value. Students must complete this course with a grade of C or higher as a prerequisite to future Apparel, Textiles and Design (ATD) courses. Open to all students with sophomore standing or higher. Typically Offered: Spring.

ATD 2240 Apparel Construction and Assembly Processes Studio (3 credits)

The course explores intermediate-level garment construction techniques and the relationship between design concepts, fabric characteristics, and fit. Students will complete individual projects in a variety of fabric types and assembly techniques within an apparel industry context. Two 3-hour studios per week, an expected 6-9 hours of outside studio time, and assigned work. Students must complete this course with a grade of C or higher as a prerequisite to future Apparel, Textiles and Design (ATD) courses. Typically Offered: Spring.

Prereqs: ATD 1240 or Instructor Permission

ATD 2390 Digital Illustration for the Apparel Industry (3 credits)

Introduction to digital illustration software including apparel illustration tools, editing and coloring, working in the digital environment, and digital board building. Students follow an industry-typical concept and design process for a target customer, including corresponding design boards, line of garments, line presentation, and creation of an online portfolio site. Typically Offered: Fall.

Prereqs: ATD 1190, ATD 1230, and ATD 2240

ATD 3240 Patternmaking Studio (4 credits)

Methods and principles of flat pattern and draping design; use of pattern making skills and advanced construction skills in apparel product development; developing specifications for apparel production. Two 3-hour studios per week and assigned work. Students must complete this course with a grade of C or higher as a prerequisite to future Apparel, Textiles and Design (ATD) courses. Typically Offered: Fall.

Prereqs: ATD 2390 and ATD 2240 with a grade of C or better, and Apparel, Textiles, and Design major; or Permission

ATD 3250 Digital Patternmaking & Technical Design Studio (3 credits)

This course builds on existing patternmaking skills by applying methods and techniques for developing patterns using computer-aided pattern drafting software and includes grading, markers, and graded spec sheets. Typically Offered: Spring.

Prereqs: ATD 3240

ATD 3260 Weaving Studio (3 credits)

This studio course gives students the opportunity to learn woven fabric structures and create woven fabrications on looms. Typically Offered: Spring.

Prereqs: ATD 1230

ATD 3270 Textile Surface Design Studio (1-3 credits, max 9)

This studio course gives students the opportunity to experiment with the texture and appearance of textile fabrications. Techniques may include dyeing and resist methods, subtraction, and embellishment, among others depending on industry trends. Typically Offered: Fall.

Prereqs: ATD 1230 or Permission

ATD 3280 Experimental Construction Studio (1-3 credits, max 9)

This studio course gives students the opportunity to experiment with transforming two-dimensional textiles into three-dimensional apparel products. Techniques may include tailoring, upcycling, use of non-traditional textiles, and use of fabrics students have produced in other courses, among others dependent on current industry trends. Can be repeated up to 3 times. Typically Offered: Fall (Even Years).

Prereqs: ATD 2240 or Permission

ATD 3390 Apparel Technology Studio (3 credits)

Introduction to e-Textiles, laser cutting and 3D printing in an apparel or wearable context. Students will learn how to design within each technology and produce prototypes for evaluation. Typically Offered: Fall.

ATD 3490 History of Western Dress (3 credits)

Historic overview of western dress from ancient Mesopotamia and Egypt to Western Europe through the 20th century; focus on dress and human appearance as a reflection of the socio-cultural factors of the times. Typically Offered: Fall.

Prereqs: ATD 1230 and ART 1100; or Permission

ATD 4040 (s) Special Topics (1-16 credits)

Credit arranged

ATD 4130 Collaborative Design Studio (3 credits)

Team-based design studio with focus on industry-level product development work with preparation of a professional portfolio. Two 3-hour studios per week. Typically Offered: Fall.

Prereqs: ATD 2390 and ATD 3240; or Permission

ATD 4240 Senior Experience: Apparel Design Studio (4 credits)

General Education: Capstone Experience

Intensive apparel design studio experience culminating in the design, development, and creation of the Senior Apparel Collection. Preparation and participation in a public exhibition is required. Typically Offered: Spring.

Prereqs: ATD 2230, ATD 3240, ATD 3250, and Senior standing; or Permission

ATD 4280 Design and Development for a Client (3 credits)

Student teams develop a line of apparel for a client from concept to finished prototype; design, patternmaking, construction, tech pack building and presentation skills are all used throughout the course. Typically Offered: Fall.

Prereqs: ATD 2230 and ATD 3240

ATD 4410 Historic Dress Collections Management (3 credits)

Introduction to managing a historic collection of garments including accession and deaccession policies and procedures, conservation and storage practices, disaster management, and research for and mounting of exhibitions. Typically Offered: Spring.

Prereqs: FCS Major

ATD 4490 Dress and Culture (3 credits)

General Education: International

Dress and culture examined from an interdisciplinary and cross-cultural perspective with emphasis on diversity within a global scale society; the relationship of dress to physical environments, social and economic systems, aesthetic expression, individual identity, and cultural ideals and values. Field trip. Typically Offered: Spring.

Prereqs: Humanities and Social Science General Education completed, Junior standing, or Permission

ATD 4500 Sewn Product Industry Tour (1 credit)

Field site tours of apparel industry firms representing design, manufacturing, merchandising, sourcing, retailing, and other aspects of the industry. Forty-five hours of instruction, field experience, and follow-up project work (3 hours prep, 32 hours tours/company visits, 10 hours project). Variable field trip fee depending on actual cost. Typically Offered: Fall.

Prereqs: Apparel, Textiles and Design major and junior standing; or Permission

ATD 4600 Apparel Promotion and Merchandising (3 credits)

General Education: Capstone Experience

Promotion in Merchandising is designed to cover the principles of fashion, consumer behavior as it relates to promotion activities, and non-personal selling techniques. The non-personal selling techniques to be covered include (but are not limited to) store image, advertising, display, publicity/public relations, fashion shows, and special events. Students will be involved in actual hands-on experience with many of the techniques. Typically Offered: Spring.

Prereqs: ATD 1190, ATD 2390, and ATD 2230

ATD 4980 (s) Internship (1-16 credits, max 9)

ATD 4990 Directed Study (1-16 credits, max 99)

Credit arranged Graded Pass/Fail.