**APPAREL PRODUCT DESIGN (APD)**

**APD 200 Fundamentals of Apparel Product Development 3**
Introduction to fundamentals of apparel product development. Emphasis on identifying, utilizing and developing technical skills in apparel production. Exemption from sewing proficiency exam with a grade of C (2.0) or better.

**Prerequisites:** CARS major.

**APD 244 Visual Communication for the Textile Products Industry 3**
Survey of industry methods for communicating design concepts and presenting finished products. Emphasis is on use of media and development of techniques for rendering fabrics and textile product designs.

**Prerequisites:** Minimum grade of C (2.0) in CRS 242.

**APD 251 Studio I: Garment Construction 3**
An examination and evaluation of ready-to-wear apparel including terminologies, production techniques and price/quality relationships.

**Prerequisites:** Grade of C or better in APD 200.

**APD 252 Studio II: Patternmaking and Draping 3**
Introduction to the apparel design process. Introduction to basic flat pattern, draping, and fitting principles. Theories and methods in designing apparel for various target markets.

**Prerequisites:** Minimum grade of C (2.0) in APD 200, APD 251, CRS 211, CRS 242, and MAT 115.

**APD 303 Studio III: Draping 3**
Development of the design process for apparel and related product design. Emphasis on designing for specific target markets. Advanced principles and methods of developing patterns for the body, including advanced flat pattern, draping, and fitting principles. Use of CAD tools for pattern development.

**Prerequisites:** Overall grade of C (2.0) or better in APD 252.

**APD 310 Portfolio Development for Apparel Design 3**
Development of a professional design portfolio that will emphasize investigation of specific apparel markets, target customers, seasons and fabrications, and various illustrative techniques.

**Prerequisites:** Minimum grade of C (2.0) in APD 244 and APD 252.

**APD 341 Studio III: Advanced Patternmaking and Draping 3**
Development of apparel designs by flat pattern and draping techniques and original design process.

**Prerequisites:** Minimum grade of C (2.0) in APD 252.

**APD 441 Computer Applications for Textile Products 3**
Utilization of general graphics programs and CAD systems used extensively in the fashion industry to create digital presentation boards, fashion graphics, woven and print textile designs, and technical specification packages.

**Prerequisites:** ISM 110, grade of C (2.0) or better in APD 244.

**APD 443 Studio IV: Creative and Technical Design 3**
Principles and methods of product design with an emphasis on creative and experimental approaches. Development of visual vocabulary and knowledge of trend prediction to generate design ideas. Use of diverse materials and structures for three-dimensional design.

**Prerequisites:** Minimum grade of C (2.0) in APD 244 and APD 341.

**APD 444 Product Design Studio VI: Technical Design 3**
Analysis and improvement of apparel fit, specification development, and quality. Process of costing, development of technical design, as well as understanding of sizing systems and specific markets in product design.

**Prerequisites:** Grade of C or better in APD 244 and APD 443.

**APD 445 Experimental Apparel Design 3**
Experimentation with a variety of materials to create apparel using both traditional and innovative methods. Emphasis on design development and originality. Investigation of various specialty markets for apparel design.

**Prerequisites:** Grade of C (2.0) or better in APD 443.

**APD 452 Textile Products Production Management 3**
Overview of management issues in textile product production including raw material selection and evaluation, computer integration, equipment selection, planning production, costing, and quality control. Several manufacturing systems are analyzed.

**Prerequisites:** Grade of C (2.0) or better in CRS 231 and CRS 312.