Welcome

Students who pursue a master’s degree in Apparel Product Development and Merchandising Technology (APDMT) follow a flexible program that meets a variety of career needs.

The exciting Master’s Degree in Apparel Product Development and Merchandising Technology (APDMT) program at CMU prepares students for careers in the apparel and textile industries.

Consider key features distinguishing this CMU program:

- Course work and hands-on experiences offered in state-of-the-art facilities, including computer-aided design (CAD) laboratories, textile testing laboratory, and apparel production laboratory.
- The only university in Michigan to have 3-D body scanner capability, to use infrared thermography, and to design for specific environmental temperatures and humidity levels with an environmental chamber.
- Faculty with multidisciplinary and collaborative research expertise.

Program of Study

The textile and apparel industry is in the midst of a technological revolution that is destined to change the way consumers shop for apparel and textile products, the way these products are designed and manufactured, and their ultimate end use.

Using the advanced resources now available at CMU, graduates of this program will be leaders in shaping the inevitable changes coming to the textile and apparel industry.

CMU’s apparel technology and state-of-the-art equipment and software includes:

• Human Solutions VITUS/Smart 3-D Body Scanner
• FLIR Systems ThermoVision A20M Infrared Imaging System
• Environmental Chamber
• Instron Textile Tester
• Lectra Systems: Kaledo, Mikalis (PDM), FitNet, Modaris
• Adobe Software: Dreamweaver, Photoshop, Illustrator

Degree Requirements

Foundational courses in research methods and statistics (9 credit hours)
HEV 604 (3) Scholarship in Textiles and Clothing
One graduate course (3) in Research Methods
One graduate course (3) in Statistics

Course work in apparel merchandising and design (12 credit hours to be selected in consultation with advisor)
HEV 546 (3) Experimental CAD for Apparel
HEV 547 (3) Functional Apparel Design
HEV 550 (3) Textiles and Apparel in the Global Economy
HEV 640 (3) Anthropometrics and Apparel
HEV 641 (3) Apparel Presentation Technology
HEV 655 (3) Textile Product Evaluation
HEV 656 (3) Apparel Retail Technology
HEV 790 (3) Special Topics

Supporting course work (6 credit hours)
Courses that support the student’s career objectives or research plans that are outside the Department. Courses to be selected in consultation with advisor and may be selected from fields such as industrial engineering, health sciences, art, education, marketing, and management.

Thesis or Internship (6 credit hours)
HEV 798: Thesis (6 credit hours) - OR -
HEV 635: Advanced Internship in Textiles and Apparel (6 credit hours)

Total Credit Hours: 33
Core APDMT Faculty

Su An, Ph.D. Creative apparel design; functional apparel design and evaluation; fit and sizing of apparel; body scan technology.

Usha Chowdhary, Ph.D. Impact of textile and apparel products and processes on quality of life; textile testing and quality control.

Tanya Dominu, M.S., M.B.A. Body scanning; technology and multidisciplinary applications.

Kathryn Koch, Ph.D. Multimedia computer applications in apparel design curriculum; issues related to textile recycling

Seung-Eun Lee, Ph.D. Technology applications in fashion retailing and merchandising; e-commerce; m-commerce.

Maureen MacGillivray, Ph.D. Functional apparel design for sports, health, safety ergonomic, and other applications; body scanning and infrared thermography.

Thamizhisai Periyaswamy, Ph.D. Human-centered functional clothing design analysis; advanced material characterization methods; sustainable material design and development.

Center for Merchandising and Design Technology (CMDT)

What is CMDT?

The Center for Merchandising and Design Technology (CMDT) at Central Michigan University serves as a bridge between the academic community and apparel merchandising, design, and retailing firms.

The center is an integral part of the apparel merchandising and design program and serves to promote and support the textile apparel industry through faculty expertise, student programs, resources, and services.

Supported by corporate partners, the center’s goals are:

• To interest and inform students of career opportunities within the textile/apparel industry
• To better prepare students for apparel merchandising, design, and retailing careers
• To meet the needs of employers and industry professionals
• To serve as a medium for educational outreach programs as related to apparel design, merchandising, and the industry-specific technologies that supports these activities
• To serve as a site for information exchange among students, alumni, faculty, and industry professionals
• To encourage collaborative research and scholarship

For additional information about CMDT, visit: www.cmdt.cmich.edu

Admissions Process

Admission to the Master of Science in Apparel Product Development and Merchandising Technology requires:

• successful completion of a bachelor’s degree with at least 12 semester hours in apparel merchandising and design; equivalent work experience considered in place of 12 semester hours;
• a grade point average of at least 3.0 in the last 60 semester hours of undergraduate course work;
• three letters of recommendation, including two from faculty. If it is not possible to obtain faculty recommendations, references should be from professionals who can address your capacity to succeed as a graduate student; and
• a one-page statement of objectives including your reasons for pursuing a graduate degree in apparel merchandising and design, your career goals, and the specific area you would like to study.

Apply Online
http://grad.cmich.edu

For More Information
Seung-Eun Lee, Ph.D.
APDMT Graduate Program Coordinator
Apparel Merchandising and Design - HEV Department
Wightman Hall 216
Central Michigan University
Mount Pleasant, MI 48859

Telephone: (989) 774-2229
Email: lee6s@cmich.edu

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