Textiles and Apparel Program Learning Outcomes:

Graduates from the Textiles and Apparel undergraduate degree program will be able to:

- **Outcome 1**: Apply the core principles of science including innovation, discovery, technology, nature, and design to textiles, apparel, and merchandising.

- **Outcome 2**: Evaluate the properties and performance of fibers, textiles, and textile products.

- **Outcome 3**: Identify and assess the functional, technical, and aesthetic aspects of apparel.

- **Outcome 4**: Process and interpret numerical data to solve discipline-specific problems.

- **Outcome 5**: Appraise and propose social and environmental solutions across the textile and apparel supply chain.

- **Outcome 6**: Implement foundational and innovative technologies to create solutions as applied to the textile and apparel industry.

- **Outcome 7**: Synthesize and apply research methods and theory to generate new fibers, textiles, design processes, and solve discipline-specific problems.

- **Outcome 8**: Apply social science theories and consumer data to anticipate the needs of the consumer and the community, analyze consumer behavior, and develop textile and apparel products.

- **Outcome 9**: Create a design-thinking roadmap integrating technology and science with an empathetic, human-centered, solution-focused approach to propose solutions to challenges within the textiles and apparel discipline.

- **Outcome 10**: Effective communication:
  - Write clear, concise, stylistically appropriate written reports with evidence.
  - Deliver professional, persuasive and evidence-based oral presentations.
  - Create and use figures and graphs appropriately to support an argument.
  - Translate research to a broader general audience.

- **Outcome 11**: Information literacy:
Identify and evaluate information sources.
Read and interpret primary literature.
Synthesize primary literature into a review paper.
Compare and contrast conflicting findings within the literature.

- **Outcome 12**: Self-directed learning:
  - Attain a discipline-specific goal independently, requiring minimal supervision.
  - Design, execute, and present material gained from a learning experience.
  - Be persistent, and respond productively to mistakes.
  - Analyze and critically evaluate one’s own work to identify areas for improvement.

- **Outcome 13**: Teamwork:
  - Analyze a problem and devise a solution through collaboration in a group.
  - Plan and coordinate with a group for maximal cooperation, efficiency and effectiveness.
  - Communicate and work effectively with people different from oneself.
  - Apply effective conflict management strategies.