Textile Materials Technology

College of Design, Engineering, & Commerce

Textile Materials Technology in general:

Textile Engineering or Textile Technology entails the application of scientific and engineering principles to the design and control of all aspects of fiber, textile, and apparel processes, products, and machinery. Topics that fall under the umbrella of this discipline include natural and man-made materials, the interaction of materials with machines, safety and health, energy conservation, and waste and pollution control.¹

Description of Major:

The Textile Materials Technology program prepares students to work in a global industry that includes fiber engineered products for medical, geotextiles, architectural, fiber reinforced composites, and traditional apparel and home furnishing applications. Problem solving using the understanding of textile product and process and an understanding of the global textile/apparel business (including sourcing) are the backbone of this program.

Career paths for graduates will be enhanced by selecting a concentration option from the following: 1) Product Development – national/international; 2) Quality Assurance & Assessment; 3) Textile Manufacturing Management; or 4) (Pre) Masters in Business Administration.

Careers/Job titles:²

<table>
<thead>
<tr>
<th>Job Title</th>
<th>Assistant Piece Goods Buyer</th>
<th>Manufacturing Engineer</th>
<th>Assistant Product Development</th>
<th>Product Development Assistant</th>
<th>CAD Engineer</th>
<th>Quality Assurance Associate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Job Title</td>
<td>Assistant Product Manager</td>
<td>Assistant Textile Converter</td>
<td>Product Manager</td>
<td>Purchasing Technician</td>
<td>Costing Trainee</td>
<td>Quality Control Technician</td>
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<tr>
<td>Job Title</td>
<td>Fabric Librarian Assistant</td>
<td>Fabric Developer</td>
<td>Fabric Research &amp; Development Assistant</td>
<td>Technical Design Apprentice</td>
<td>Junior Industrial Engineer</td>
<td>Textile Artist</td>
</tr>
</tbody>
</table>

Who employs PhilaU graduates?

- Albany International
- CM Offray & Sons
- Federal Mogul
- Federated Merchandising Group
- Guilford Mills
- IKEA
- Kraemer Textile
- Lilly Pulitzer
- L.L. Bean
- Materials Science Corporation
- Milliken-Somer
- Nike, Inc.
- Prodesco
- Sauquoll
- Secant Medical
- Unifi, Inc.

Helpful websites:

- CareerAge.com : Career in Textile Engineering --

- Careers in Textile Engineering --

- Textile Sciences & Technology --

¹ Industry and major information taken from the Philadelphia University website at several locations: Undergraduate Degree Programs (http://www.philau.edu/academics/undergrad.html), the Undergraduate Catalog (www.philau.edu/catalog/Cat200708), and WetFeet.com, a company and career research database.