

TEXTILE TECHNOLOGY (BS)

Contacts

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Program Website (<https://www.jefferson.edu/academics/colleges-schools-institutes/kanbar-college-of-design-engineering-commerce/school-of-design-engineering/academic-programs/textile-product-science.html>)

Program Description

- STEM designated program

The program focuses on the innovative global textile industry, including fiber-engineered products for medical, geotextiles, architecture, fiber-reinforced composites, and traditional apparel and home applications. In this program students have the opportunity to select one of 3 career-focused concentrations and complete graduate level courses to transition into select Jefferson graduate programs.

Learning Goals/Outcomes

Prepares students to work in a global industry that includes fiber-engineered products for medical, geotextiles, architecture, fiber-reinforced composites, traditional apparel, and home-furnishing applications.

Concentrations

- Sports & High-Performance Materials
- Commerce
- Fashion Management

Curriculum: 4 years, 125-126 credits

Course	Title	Credits
First Year		
FYS 100	Pathways Seminar	1
WRIT 101	Writing Sem I: Written Comm.	3
AVIS 101	American Visions	3
CHEM 103	Core Concepts of Chemistry I	3
CHEM 103L	Core Concepts of Chemistry I Lab	1
PHYC 101	General Physics	3
MATH 110 or MATH 111		3-4
DECF 102	Finding & Shaping Opportunity	3
TEXT 104	FoundationFiber & Yarn Studies	3
KNIT 201 or WEAV 201		3
ENGR 102	Engineering Drawing	3
ENGR 104	Introduction to Computing	3
Credits		32-33
Second Year		
ETHX Selection		3
GDIV Selection		3
WRIT 201	Writing Seminar II:Multi Comm	3
DECS 209	Sys Thinking & Sustainability	3

Course	Title	Credits
WEAV 201 or KNIT 201		3
KNIT 205 or WEAV 301		4
TEXT 307	Textile Materials	4
ABA 201	Intro to Business Analytics	3
BLAW 301	Business Law	3
Credits		29
Third Year		
ADIV Selection		3
GCIT Selection		3
CGIS 300	Contemporary Global Issues	3
DECM 300	Research Methods	3
KNIT 205 or WEAV 301		4
TEXT 321	Nonwovens	3
TEXC 203	Color, Dyeing and Finishing	4
ENGR 210	Intro to Materials Science	3
TEXT 411	Textile Industry Issues	1
ENGR 308	Integrated Engr Product Dev. I	4
Textile Technology Designated Elective		3
Credits		34
Fourth Year		
PHIL 499	Philosophies of the Good Life	3
TEXT 492	Capstone in Textile Tech I	3
TEXT 493	Capstone in Textile Tech II	3
Textile Technology Designated Elective		3
Textile Technology Designated Elective		3
Textile Technology Designated Elective		3
General Elective or Minor		12
Credits		30
Total Credits		125-126