

Technical Design BS Degree Program

School of Business and Technology

Applications accepted for fall only. NYSED: 32621 HEGIS 1009

The major in Technical Design prepares students for entry into the apparel industry, provides a solid foundation for complex technical design competencies, deepens students problem-solving and critical thinking abilities, and facilitates the development of professional practices, interpersonal skills, and personal abilities that equip students for advancement in the evolving garment industry. Curriculum below is for the entering class of Fall 2016.

Semester 5		Credits
MAJOR AREA	TC 311 - Production Pattern Development I	2
	TC 321 - Computerized Pattern Development	2
RELATED AREA	MG 314 - Manufacturing Process Analysis	2
	TS 301 - Advanced Textiles for Technical Design	2.5
LIBERAL ARTS	EN 321 - Strategies of Business Communication	3
	MA 311 - Mathematical Modeling for Business Applications	3
	choice - see Liberal Arts / Social Science *	3
Semester 6		
MAJOR AREA	TC 312 - Production Pattern Development II	2
	TC 322 - Computerized Grading, Marking, and Specs	3
	TC 341 - Technical Design: Wovens	2
LIBERAL ARTS	choice - see Liberal Arts / American History*	3
	choice - see Liberal Arts / Science *	3
	choice - see Liberal Arts elective *	3
Semester 7		
MAJOR AREA	TC 421 - Computerized Pattern and Fit Corrections	2
	TC 441 - Technical Design II: Stretch	2
	TC 451 - Production and Technical Design	2
RELATED AREA	IC 496 - Senior Internship B: Career Planning or TS 332 - Technical Design for Sweater Knits	2
	choice - see Liberal Arts / Foreign Language*	3
LIBERAL ARTS	choice - see Liberal Arts / Social Science *	3
Semester 8		
MAJOR AREA	TC 491 - Technical Design Senior Project	2.5
LIBERAL ARTS	choice - see Liberal Arts / Foreign Language*	3
	choice - see Liberal Arts / Humanities*	3
	choice - choice - see Liberal Arts elective *	3
	choice - see Liberal Arts / Social Science *	3
TOTAL CREDIT REQUIREMENTS		
MAJOR AREA		19.5
RELATED AREA		6.5
LIBERAL ARTS		36
Total Credits:		62

Fall 2016 Requirements: See below

Liberal Arts: 36 credits

- **American History: 3 credits.** Any course that meets General Education American History requirement (G10)
- **English and Speech: 3 credits.** EN 121 and any additional EN course must be completed prior to enrolling in EN 321
- **Foreign Language: 6 credits.** Two semesters of the same foreign language, one of which must meet the General Education Foreign Language requirement (G8)
- **Humanities: 3 credits.** CHOICE of any course that meets General Education Humanities requirement (G7)
- **Mathematics: 3 credits.** Algebra proficiency must be completed prior to enrolling in MA 311
- **Science: 3 credits.** CHOICE of any course not previously taken for which all prerequisites have been met
- **Social Sciences: 9 credits.** CHOICE of any three Social Sciences courses

* **Liberal Arts electives: (6 credits).** Select Liberal Arts courses from the following subject areas: **CH** (Chinese), **EN** (English), **FI** (Film & Media) - any **FI** course other than **FI 261**, **361**, **461**, **362**, and **462**, **FR** (French), **HA** (History of Art), **HE** (Health Education) **201**, **301**, **IT** (Italian), **JA** (Japanese), **MU** (Music), **HI** (History), **MA** (Math), **LA** (Liberal Arts), **MC** (Modern Languages & Cultures), **PE** (Physical Education & Dance) **215**, **216**, **217**, **PL** (Philosophy), **SC** (Science), **SP** (Spanish), and **SS** (Social Sciences). See Liberal Arts Courses

NOTE: An ideal candidate for the Tech Design BS degree program has earned an associates degree in either Fashion or Menswear Design from an accredited college. Those associate-level Fashion Design graduates not from FIT's Fashion or Menswear Design programs are expected to have completed the following or equivalent coursework: FD 244 Design Development: Digital Communication & Management (1.5 cr.) OR MG 252 Product Data Management (3 cr.) either before or in their fifth semester.

Interested students without a background in Fashion or Menswear Design are required to take the following bridge courses before the start of the program: AR 101 Fashion Art and Design (1.5 cr.), and FD 243 Apparel Design Studio - Patternmaking (3 cr.), and AR 215 Fashion Design Using Illustrator (2 cr.) or FF 242 Fashion Design Computer: Illustrator (1.5 cr.) or TC 111 Beginning Adobe Illustrator for Patternmaking (2 cr.), and FD 244 Design Development: Digital Communication & Management (1.5 cr.) or MG 252 Product Data Management (3 cr.), and FD 117 Design Studio I - Introduction to Draping (2 cr.) or DP 111 Draping Proficiency I (2.5 cr.), and PM 121 Patternmaking I: Misses' and Women's Wear (2 cr.), and FD 133 Materials and Construction I (2 cr.), and TS 111 Fundamentals of Textiles (3 cr.) or TS 131 Textile Principles for the Fashion Designer (3 cr.)