

Technical Design BS Degree Program

School of Business and Technology

Applications accepted for fall only. NYSSED: 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 2015.

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
LIBERAL ARTS	choice - see Liberal Arts / Foreign Language*	3
	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 2015 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 Science). See Liberal Arts Courses .

NOTE: An ideal candidate for the Tech Design BS degree program has earned an AAS degree in Fashion Design from an accredited college. Those associate graduates not from FIT's Fashion Design program are expected to complete FD 241 in their fifth semester. Before the start of the program, students without a background in Fashion Design are required to take the following bridge courses: AR 101 and (AR 215 or FF 242), (FD 111 or DP 111), (FD 121 or PM 121), FD 131, FD 241, and TS 111.