

# Technical Design

Bachelor of Science Degree Program (BS)

Applications accepted for fall only. 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.

<b>Semester 5</b>		<b>Credits</b>
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 321 - Data Analysis for Business Applications*	3
	SS 141 - Macroeconomics**	3
<b>Semester 6</b>		
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	SC 032 - Color Science Laboratory	1
	SC 332 - Color and Light	3
	SS 242 - Microeconomics	3
	choice - see American History* G10	3
<b>Semester 7</b>		
MAJOR AREA	TC 421 - Computerized Pattern and Fit Corrections	2
	TC 441 - Technical Design II: Stretch	2
	TC 451 - Production and Technical Design	2
	IC 497 - Senior Internship C: Career Planning or TS 332 - Technical Design for Sweater Knits	3
RELATED AREA	FM 302 - Merchandising for Technical Design	2
LIBERAL ARTS	choice - see Foreign Language* G8	3.5
	SS 343 - Labor Economics or 443 - International Economics	3
<b>Semester 8</b>		
MAJOR AREA	TC 491 - Technical Design Senior Project	2.5
LIBERAL ARTS	choice - see Foreign Language*	3-3.5
	SS 354 - Comparative Political Systems or 374 - Cross-Cultural Studies G9*	3
	choice - see Humanities* G7	3
	choice - Liberal Arts Elective	3
<b>TOTAL CREDIT REQUIREMENTS</b>		
	MAJOR AREA	22.5
	RELATED AREA	6.5
	LIBERAL ARTS	37.5-38
	Total Credits:	66.5-67

**SUNY General Education Requirements:**

A "G" followed by a number 1-10 identifies specific courses that meet SUNY General Education baccalaureate degree requirements (or visit [fitnyc.edu/gened](http://fitnyc.edu/gened) ).

G1 Basic Communication; G2 Mathematics; G3 Natural Sciences; G4 Social Sciences; G5 Western Civilization; G6 The Arts; G7 Humanities; G8 Foreign Language; G9 Other World Civilizations; G10 American History.

**\*Requirements:** See below.

**American History:** 3 credits

Any course that meets General Education American History requirement (G10).

**Foreign Language:** 6.5-7 credits

Two semesters of the same foreign language, one of which must be a 3.5 credit nonconversational course (G8).

**Humanities:** 3 credits

CHOICE of any course that meets General Education Humanities requirement (G7).

**Mathematics:**

If MA 222 was not previously taken, students must take MA 222 in the fifth semester and MA 321 in the eighth semester, in the place of the Liberal Arts elective. Arithmetic proficiency must be completed prior to enrolling in MA 222. Algebra proficiency must be completed prior to enrolling in MA 321.

**Other World Civilizations:** 3 credits

CHOICE of SS 354 or 374 (either one of these meets G9).

\*\*If SS 141 was previously taken, student must take another 3-credit liberal arts course.

**NOTE:** Students entering this program must complete AR 101 and (AR 215 or FF 242) and (FD 111 or DP 111) and (FD 121 or PM 121) and FD 131 and (FD 241 or MG 252 completed spring 2008 or later) and MG 153 and TS 111.