

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 2017.

| 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 |
| | SS 131 - General Psychology * | 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 | HA 112 - History of Western Art and Civilization: Renaissance to the Modern Era | 3 |
| | SC 147 - The Forensics of Fiber Analysis or 332 - Color and Light and SC 032 Color Science Laboratory | 3 |
| | SS 171 - Introductory Sociology * | 3 |
| Semester 7 | | |
| MAJOR AREA | TC 421 - Computerized Pattern and Fit Corrections | 2 |
| | TC 441 - Technical Design II: Stretch | 2 |
| RELATED AREA | IC 496 - Senior Internship B: Career Planning or TS 332 - Technical Design for Sweater Knits | 2 |
| LIBERAL ARTS | HA 344 - History of Western Costume * | 3 |
| | choice - see Liberal Arts / Foreign Language | 3 |
| | SS 386 - Youth Subculture, Identity, and Fashion: A Sociological Perspective ** | 3 |
| Semester 8 | | |
| MAJOR AREA | TC 451 - Production and Technical Design | 2 |
| | TC 491 - Technical Design Senior Project | 2.5 |
| LIBERAL ARTS | choice - see Liberal Arts/ Foreign Language | 3 |
| | SS 334 - The Psychology of Color * | 3 |
| | SS 376 - Clothing and Society * | 3 |
| TOTAL CREDIT REQUIREMENTS | | |
| | MAJOR AREA | 19.5 |
| | RELATED AREA | 6.5 |
| | LIBERAL ARTS | 36 |
| | Total Credits: | 62 |

Fall 2017 Requirements: See below

***Liberal Arts:** 36 credits

The degree includes the Fashion History, Theory and Culture minor as part of its liberal arts requirements. Students must declare the minor in the Academic Advisement Center to be awarded the minor along with the major. If a course from the minor has been previously taken, students may select other liberal arts electives.

- **History of Art: 6 credits.** HA 112 and HA 344
- **English: 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)
- **Science: 3 credits.** SC 147 or SC 332/ SC 032
- **Mathematics: 3 credits.** Algebra proficiency must be completed prior to enrolling in MA 311
- **Social Sciences: 15 credits.** SS 131, SS 171, SS 334, SS 376 and SS 386

NOTE: An ideal candidate for the Tech Design BS degree program has earned an associate's degree in either Fashion or Menswear Design from an accredited college. Interested students without a background in Fashion or Menswear Design are required to take the following bridge courses before the start of the program.

Required knowledge areas prior to program entry:

- TS 111 Fundamentals of Textiles
- FD 131 Sewing Techniques I **OR** FD 133 Materials and Construction I
- FD 117 Design Studio I - Introduction to Draping **OR** DP 111 Draping Proficiency I
- PM 121 Patternmaking I: Misses' and Women's Wear **OR** FD 243 Apparel Design Studio - Patternmaking
- AR 101 Fashion Art and Design
- TC 111 Beginning Adobe Illustrator for Patternmaking