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Faculty of Applied Sciences, Universiti Teknologi MARA, 40450 Shah Alam, Selangor



# BSC. (HONS) IN TEXTILE SCIENCE & FASHION TECHNOLOGY

The program began with a diploma course in 1974 and in the year 2000, the degree program was offered followed by Masters and PhD. The program has been producing ALUMNI that work in the textile and apparel industry. ALUMNI also has established themselves in textile, retailing, fashion, garment sector, successful entrepreneurs, technologists, engineers and researchers. Their knowledge is needed to deal with products related with textiles and apparel. The program has been accredited by The Textile Institute, an independent and renowned textile body in Manchester, United Kingdom. Since the program is accredited by The Textile Institute, students graduated from the program can further their studies in universities around the world such as in the United States, United Kingdom, Germany, Australia or any other universities offering Textile and Apparel courses.

**ACCREDITED BY**

## THE TEXTILE INSTITUTE, MANCHESTER UK LEADING TO CTEXT ATI

Universiti Teknologi MARA has been a pioneer and the only university specializing on Textile Science, Fashion and Apparel Technology in Malaysia

### Market Outlook



"Overall, the textile industry employs over 90k people directly, and its exports were valued at US\$3.3 bn in 2017."  
*Innovation In Textiles, November 2018*

"Malaysian textile and fashion entrepreneurs to leap to the next level."  
*MIDA Sept 2018*

"The new fields identified by the government under the third Industrial Master Plan (IMP) are technical & home textiles, engineered fabrics, smart fabrics & clothing as well as key support facilities and services such as design houses and fashion centres, specialized dyeing and finishing facilities"  
*Third Industrial Master Plan (IMP3) 2006-2020*

**NEW**

### DOUBLE DEGREE

Double degree is a programme involves studying two degrees at the same time and completing both degrees in a shorter duration. This programme allows student to extend their knowledge and skills in different areas. We offer two types of Double Degrees,

## List of Courses

### Bachelor of Textile Design (Hons)

**6 Semesters**

BSc (Hons) Textile Science &amp; Fashion Technology

**3 Semesters**

Bachelor of Textile Design (Hons).

- Intro. To Visual Research and Drawing
- Design Exploration
- Computer Image Manipulation
- World Patterns and Textile Design
- Drawing
- Textile Illustration
- Pattern Cutting
- Textile Embellishment
- Bound and Stitch Resist
- Open Masking
- Psychology & Interpersonal Communication in Art & Design
- Applied Textiles
- Creative pattern cutting
- Malaysian Ethnic Textiles and Costumes
- Computerized Fashion and Interior
- Textile Folio and Presentation
- Creative Hand Woven and Tapestry

### BSc. (Hons) Textile Science & Fashion Technology

**6 Semesters****Double Degree**

- Fiber Science
- Yarn & Knitted Structures and Properties
- Woven Structures & Properties
- Textile Manufacturing
- Textile & Apparel Performance Analysis
- Textile & Apparel Retailing, Marketing & Merchandising
- Textile & Apparel Costing
- CAD/CAM for Textile & Apparel
- Textile & Apparel Product Development
- Environmental issues in Textiles
- Technical Textiles
- Finishing and Chemical Finishes of Textiles
- Textile Quality Assurance
- Apparel & Fashion Technology
- Fashion Construction
- Textile Coloration
- Special Topics in Textiles

### Bachelor of Fashion Design (Hons)

**6 Semesters**

BSc (Hons) Textile Science &amp; Fashion Technology

**3 Semesters**

Bachelor of Fashion Design (Hons).

- Intro. To Visual Research and Drawing
- Fashion CAD
- Basic Pattern and Garment Making
- Fashion Figure
- Fashion Illustration 1: Fashion Design
- Drawing
- Fashion Design: Concept & Experimentation
- Advanced Pattern Making
- Surface Embellishment 2
- Commercial Tailoring
- Advanced Surface Embellishment
- Fashion Design: Art and Reality
- Couture Draping
- Fashion Design: Professional Portfolio
- Advanced Pattern Making: Professional Portfolio
- Fashion Illustration: Professional Portfolio

## Entry Requirement

### Matriculation / Asasi Sains

CGPA 2.30 from Asasi UiTM, Asasi Sains UM, Matrikulasi KPM with; Grade C (2.0) in three (3) of these subjects group : Chemistry/ Engineering Chemistry, Mathematics and Physics/Engineering Physics/Biology

### Diploma Graduates

- Pass SPM
- Credit in Bahasa Malaysia
- Graduated from government approved Universities / Polytechnics
- Diploma (CGPA 3.0 in relevant field)
- Diploma with CGPA 2.75 with 2 years experience in relevant field

### APEL

- Pass MQA + 7 Years working Experience + MUET (Band 2)
- Pass Faculty level interview.

## Career Opportunities

- QC/QA Engineer
- Production Engineer
- R&D Chemist
- Design Technologist
- Entrepreneur
- Textile Designer
- Researcher & material scientist
- Merchandiser / Retailer
- Technologist
- Apparel Designer
- Garment technologist



## Double Degree Programmes

**(1) Bachelor of Science (Hons.) Textile Science & Fashion Technology and Bachelor of Textile Design (Hons.) – AS290**

**(2) Bachelor of Science (Hons.) Textile Science & Fashion Technology and Bachelor of Fashion Design (Hons.) – AS291**

<b>Year Established</b>	<b>2017</b>
<b>Location</b>	<b>Shah Alam</b>
<b>Intake</b>	<b>September</b>
<b>Unit Credits</b>	<b>176 - Bachelor of Science (Hons.) Textile Science &amp; Fashion Technology AND Bachelor of Textile Design (Hons)</b>  <b>177- Bachelor of Science (Hons.) Textile Science &amp; Fashion Technology AND Bachelor of Fashion Design (Hons).</b>
<b>Duration</b>	<b>4 ½ years (9 Semester)</b>
<b>No. of Academic Staff</b>	<b>9 (FSG) + 14 (FSSR) (Shah Alam)</b>
<b>No. of Non-Academic Staff</b>	<b>More than 7 (Shah Alam)</b>
<b>Labs/Workshops</b>	<b>More than 5</b>

## Program Descriptions

Double degree is a programme that involves studying two degrees at the same time and completing both degrees in a shorter duration. This programme allows student to extend their knowledge and skills in at least two different areas particularly in sciences and arts. Students will be taking courses from two different faculties, Faculty of Applied Sciences and Faculty of Arts & Design. Two types of Double Degrees are offered by the university:

- Bachelor of Science (Hons.) Textile Science & Fashion Technology AND Bachelor of Textile Design (Hons). (9 Semesters or 4.5 years)
- Bachelor of Science (Hons.) Textile Science & Fashion Technology AND Bachelor of Fashion Design (Hons). (9 Semesters or 4.5 years)

## Job Opportunities

Graduates from this course will have the opportunity to be employed by local to multinational textile technology or textile fashion-based companies for positions such as QC/QA Engineer, Production Engineer, Chemist, Fashion Designer, Technologist, Textile Designer, Researcher & Material Scientist, Merchandiser, Textile Technologist and Garment Technologist. Graduates may also alternatively initiate their own career as entrepreneurs and retailers with wider and deeper knowledge in both textile science and fashion.

## Opportunities for Further Studies

Credible students graduated with Double Degrees are encouraged to pursue their postgraduate studies either in local or overseas institutions of higher learnings. UiTM has currently three

postgraduate programmes: MSc Textile Science & Technology (by Research), MSc Textiles (Mixed-mode) and Doctor of Philosophy.

### **Entry Requirements for Double Degree**

1. Matriculation or *Asasi Sains*

- CGPA 2.30 from Asasi UiTM, Asasi Sains UM, Matrikulasi KPM with
- Grade C (2.0) in three (3) of these subjects group: Chemistry/ Engineering Chemistry, Mathematics and Physics/Engineering Physics/Biology.

AND

Pass all the requirements set by the Faculty of Art and Design.

2. Diploma Graduates

- Pass SPM
- Credit in Bahasa Malaysia
- Graduated from government approved Universities / Polytechnics
- Diploma (CGPA 3.0 in relevant field)
- Diploma with CGPA 2.75 with 2 years of experience in relevant field

AND

Pass all the requirements set by the Faculty of Art and Design.

3. APEL

- Pass MQA + 7 Years working Experience + MUET (Band 2)
- Pass Faculty level interview.

**Please contact:**

Program Coordinator

Phone number: 03-5544 4490