



**IIMSR**

**Imperial Institute of Management Science & Research**

A Unit Of Wales Educational Trust

## Bachelor Programme In Textile Engineering

Duration: 03/04 Year

12,000/Sem

Eligibility: 10+2

Bachelor Programme in Textile Engineering is an undergraduate course which deals in Textile Technology Education.

Any person who has successfully completed his or her **10+2 with Physics, Chemistry and Mathematics** with minimum 50% marks is eligible to pursue this course.

The course is of **4 years duration** course divided into 8 semesters, i.e. 2 semesters per year.

### What is the course about?

Textile Engineering with the objective of imparting all -inclusive knowledge in all the aspects of textile manufacturing which include

- ✓ Garment manufacturing
- ✓ Textile Chemical Processing
- ✓ Computer applications
- ✓ Textile testing
- ✓ Yarn manufacturing
- ✓ Fabric Manufacturing (Woven and Knitted)
- ✓ Quality assurance
- ✓ Mill management

In order to expose the persons into the engineering environment of the textile industries, practical training is included as a part of the syllabus.

## Syllabus and Course Description:

Name of the course	Topic	Objective
Characteristics of textile Fibers	<ul style="list-style-type: none"> <li>✓ Structure of fibres</li> <li>✓ Structure investigation techniques</li> <li>✓ Moisture absorption</li> <li>✓ Characteristics of fibres</li> <li>✓ Tensile characteristics of fibres</li> <li>✓ Elastic recovery</li> <li>✓ Behavior of fibres</li> </ul>	The objective of this subject is to improve their knowledge related to the structure and morphology of textile fibres
Technology of pre weaving process	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Ginning and blowroom machinery</li> <li>• Carding machine</li> <li>• Comber</li> <li>• Drawing machine and roving machine</li> </ul>	This subject helps a student in understanding the theory of preparation and selection of yarn for fabric formation
Solid mechanics	<ul style="list-style-type: none"> <li>• Stress, strain and deformation of solids</li> <li>• Transverse loading on beams</li> <li>• Deflections of beams</li> <li>• Stresses in beams</li> <li>• Torsion and columns</li> </ul>	To teach the students on various topics related to solids. It equips the student topics of beams and pipelines
Technology of yarn spinning	<ul style="list-style-type: none"> <li>• Ring spinning</li> <li>• Condensed yarn spinning</li> <li>• Yarn plying</li> <li>• Rotor spinning</li> <li>• Other spinning</li> </ul>	To enable the students to learn the theory of yarn formation by different spinning systems

	systems	
Process control in spinning	<ul style="list-style-type: none"> <li>• Levelling</li> <li>• Nep and hook removal</li> <li>• Waste control</li> <li>• Production control</li> <li>yarn quality analysis &amp; man-made fiber processing</li> </ul>	To enable the students to understand and apply process and quality control measures during spinning of yarn
Training	6 months training	This training is mandatory for the students pursuing this course.
Research project	Submission of research paper	The students pursuing this course have to submit a research paper on any topic related to their field

## List of electives

- E-Commerce
- Value Engineering
- Manufacturing Information System
- Advanced Casting Method
- Applied numerical techniques
- Maintenance and Reliability Engineering
- Product Design and Development
- Industrial Safety

## Career Prospects:

Once you graduate from the course, you will find multiple career options waiting for you. There are top recruiters waiting for the right candidate to provide company with qualitative outputs. Some of the top recruiters in the field of textile are:

- ❖ Raymond
- ❖ Trident Group
- ❖ ALOK
- ❖ WELSPUN
- ❖ SHAHI EXPORTS
- ❖ GOKALDAS EXPORTS

<b>Designation</b>	<b>Job Description</b>
Sales Engineer	A sales engineer is responsible for preparation of budgets, follow-up enquiries, seek out market opportunities, secure sales and promote sales, render technical services to customers, execute orders, arrange prompt commissioning of machinery, render efficient after sales service and plan training of customer
Resident application Engineer	A person is responsible for sales and marketing, after sales service, troubleshooting, instrumentation and complaint handling.
Scientist B Textile Engineering	It is a government job offered by Bureau of Indian Standards (BIS).
Service Engineer	A service engineer is responsible for installation, commissioning & servicing of textile machines, solving the customer complaints and servicing the machines under service contract.

Quality control executive	<p>You have to put into practice good engineering practices, opt for new supplier, ensure the incoming quality, and follow up of development actions with the suppliers.</p> <p>Prepare a quality plan for the allocated components, correspond and monitor supplier quality, ensure supplier motivation to achieve quality, delivery &amp; cost targets.</p>
Industrial Engineer	<p>An industrial engineer has to review production schedules, process flows, financial planning, cost analysis, enact quality control procedures, work with customers and management to develop standards for design and production, design control systems and manage personnel</p>

**\*\* The course syllabus for the program will vary for different universities and colleges.**

**For More Information:**

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