

3-day seminar BASICS OF TEXTILE TECHNOLOGY

Learning content

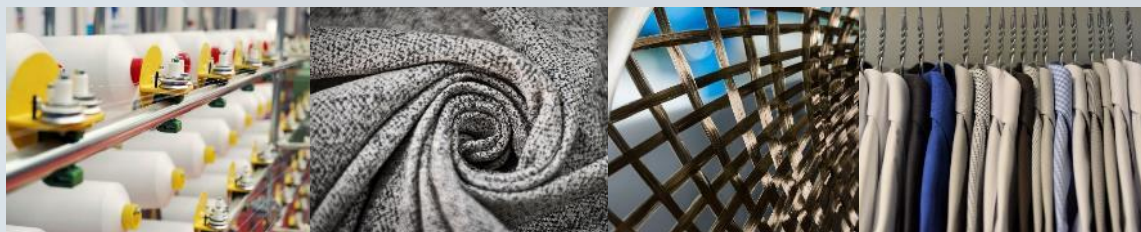
The seminar provides basic knowledge of the entire textile value chain from natural and man-made fibers to the finished fabric. Technical terms are explained, products are presented, and processes clearly demonstrated on textile machinery and equipment at our technical center.

Target group

For specialists with professions other than textile, career changers and employees who want to acquire or refresh their "textile" expertise.

Course format

3-day training with theoretical and practical phases including machine and process demonstrations in the technical center and laboratory of the Institut für Textiltechnik of RWTH Aachen University.



1-day seminar SUSTAINABILITY AND TEXTILE TECHNOLOGY

Learning content

Participants gain a basic understanding of sustainability in the textile industry and get an overview of the current state of the art. The seminar facilitates the evaluation of recycling opportunities, provides technical vocabulary and gives inspiration for sustainability in your company.

Target group

For designers and development department, founders and employees from start-ups & purchasing, sales and marketing.

Course format

1-day additional training course by scientists of the Institut für Textiltechnik of RWTH Aachen University.



Combination Package Basics & Sustainability

In person seminar: 2,340 €/ 2,105 €*

Single price Basics of Textile Technology

In person seminar: 1,590 €/ 1,430 €*

Single price sustainability and textile technology

In person seminar: 750 €/ 675 €*

Dates

05.-08. September 2023

21.-24. November 2023

* Prices are per person and excl. VAT

If you make a binding booking 8 weeks before the date, you will receive a 10% early booking discount.

3-day seminar BASICS OF TEXTILE TECHNOLOGY

Fiber technology (man made and natural fibers)

- Market numbers
- Natural fibers
- Man-made fibers: Manufacturing, fiber dimensions, texturizing, applications

Yarn production

- Nomenclature and technical calculations
- Spinning preparation: bale opening, blending, mixing
- Spinning process: ring spinning, OE rotor spinning, special processes

Fabric production

- Weaving (types, machines, patterns)
- Weft & Warp knitted fabrics (types, machines, patterns)
- Nonwovens (production & consolidation process)
- Braids (types, machines, applications)

Finishing

- Pretreatment
- Washing and drying
- Dyeing and printing
- Finishing and coating

Textile testing procedures

- Norm climate
- Fibers and yarns
- Textile and clothing



1-day seminar SUSTAINABILITY AND TEXTILE TECHNOLOGY

Introduction to the topic of sustainability

- What is sustainability?
- LCA – Life Cycle Assessment
- Market numbers

Biopolymers and their properties

- Overview of bio-based materials
- Raw materials overview
- Manufacturing, fiber properties, applications

Textile recycling

- Definition in waste management
- Process chain of textile waste
- Challenges in textile recycling
- Workshop, practical experience



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Content
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Our partner



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