
Formation | Textiles in all their forms

TRAINING COURSE TITLE

Textiles in all their forms – Back to basics

OPERATIONAL OBJECTIVES

The participant will be able to :

- Acquire a Textile base of materials
- Identify raw materials
- Understand the stages from raw material to fabric
- Understand the manufacturing processes for yarns and fabrics
- Understand finishing processes
- Recognise the structure of a fabric
- Familiarise yourself with the appropriate vocabulary

An assessment of skills acquired will be carried out at the end of the training course.

LEVEL

BEGINNER

PUBLIC CONCERNED

Buyer, Sourcer, Market Manager, Product Manager, R&D Manager, Sales Force, Marketing Manager, Quality Manager, Supply Manager, Project Manager, Technician, etc.

PEDAGOGICAL REQUIREMENTS

None

DATES 2023

Face-to-face training

- From 15th to 16th March 2023
- From 21st to 22nd November 2023

PRICE

1500€ HT/Participant

DURATION

2 days – 14 hours

METHOD & TEACHING MATERIALS

This training course is an alternation between theoretical presentations and practical exercises using :

- Digital materials (Powerpoint presentations, videos, quizz...)
- Presentation of samples of digitised & physical textile materials (yarns, nonwovens, fabrics, knitwear, lace, embroidery, finished products).
- Illustration of transformation textile processes on the CETI's technological platforms.

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DELIVERABLE

Each participant will receive a summary of the training content in PDF format at the end of the training course.

EVALUATION PROCEDURES

- 1 Training Needs Analysis form is sent to the participants before the training course in order to the trainer knows your activity your environment, your level of skills, the check of the required pedagogical prerequisites, your specific technical questions and the existence of a disability, which will be taken into account. The participant has this form, drawn up by our trainers, to fill in online, which lasts a few minutes.
- 1 knowledge assessment at the beginning of the course through a round table discussion to validate participant's expectations and remind them of the course objectives.
- 1 evaluation and validation of the skills acquired at the end of each training part, established by the trainer who verifies orally, in the form of a quiz or question and answer game, the skills acquired during the training. The trainer decides on the validation of the acquired skills based on the results obtained. This evaluation determines the results mentioned on the End of Training Certificate which is sent to you by e-mail after the training.
- 1 training satisfaction survey given to participants to fill in at the end of the training.
- 1 individual training completion certificate is sent after the training to the HR department and/ or to the participants.

CETI TRAINER

Simon Fremeaux - Fibres Business Unit Manager : With an experience of more than 18 years in nonwoven industries, Simon joined CETI 12 years ago, starting the nonwoven pilot platform. His expertise and experience in products, processes and markets through consortium and private research, will bring to the trainees the keys and facts of this advanced courses..

Guillaume Cambronne - Fibres Engineering Manager : Guillaume graduated from ENSAIT and joined CETI in 2016, now managing all fibres projects thanks to the complete Drylaid Nonwoven pilot platform and mechanical textile platform. He has acquired experience and expertise in fibres, transforming textile processes, product development and market analysis.

PEDAGOGICAL CONTENT

DAY 1 | Textiles in all their forms - 7 hours

The objective of day 1 will allow to the participants to be able to understand the yarns' fabrication processes until the fabrics in order to have a better comprehension the raw materials properties.

09h00 **WELCOME OF PARTICIPANTS**

09h00 – 09h15 Participant profile exchange and knowledge assessment

09h15 – 10h15 **INTRODUCTION AROUND THE WORLS OF TEXTILE**

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11h00 – 11h15 Coffee break

10h15 – 12h00 **RAW MATERIALS ORIGIN**

- Textile market overview : : Consumption & world production, the application markets
- The raw materials classification (natural, artificial and synthetic)

12h00 – 13h00 Lunch

13h00 – 15h00 **FROM RAW MATERIAL TO YARN / FILAMENT – MANUFACTURING PROCESSES**

- Spinning chemical fibres /Filament
- Open-end and ring spinning

15h00 – 15h15 Coffee break

15h15 – 16h40 **Workshop – « MELT SPINNING/YARD SPINNING»**

Demonstration of processes for transforming materials into filaments and yarns

16h40 – 17h00 **DISCUSSION ON THE DAY'S ACHIEVEMENTS**

DAY 2 | Textiles in all their forms – 7 hours

The objective of day 2 will allow to the participants to be able to understand yarn and fabric finishing processes and the recycling chain. An evaluation of what has been learned will be carried out at the end of the day.

09h00 **WELCOME OF THE PARTICIPANTS**

09h00 – 10h30 **THE STAGES FROM YARN TO FABRIC**

- Weaving (processes, armour and characteristics)
- Nonwoven (melblown/spunbond/carding/Airlay)

10h30 – 10h45 Coffee break

10h45 – 12h15 **FABRIC MANUFACTURING PROCESSES**

- Knitting (different crafts, characteristics)
- Others

12h15 – 13h15 Lunch

13h15 – 14h30 **DYEING AND FINISHING PROCESSES**

- Finishing treatments
 - Mechanical finishing
 - Chemical finishing
- Yarn and fabric dyeing
- Textile printing

14h30 – 14h45 Coffee break

14h45 – 16h00 **WORKSHOP « WHO IS IT ? »**

Analysis of fabric structures

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16h00 – 16h20 **ASSESSMENT OF KNOWLEDGE** via a QUIZ questionnaire

16h20 – 17h00 Conclusion & satisfaction survey

DEADLINES AND PROCEDURES FOR ACCESS TO TRAINING

For INTER courses, as soon as we receive the completed registration form and the acceptance of the general terms and conditions of sale, our training consultant will contact you within 3 days to confirm your registration.

Access to our in-house training courses can be adapted to suit your needs and our resources. As soon as we receive your request, our training consultant will call you back within 3 days to refine your request (choice of date, face-to-face method, location, additional options, etc.).

The CETI will propose dates as soon as possible, depending on your availability and that of the trainer(s). To guarantee that you will be able to start the course on the date set, you must make sure that you send us the signed proposal. If you are applying for funding from your OPCO, please ensure that your applications are processed as quickly as possible.

TRAINING CONTACT (INFORMATION – DIFFICULTIES ENCOUNTERED – COMPLAINTS)

For all customised training requests, please contact our training department to discuss your specific requirements at contact@ceti.com.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

CETI is committed to providing access to training for people with disabilities. For any questions and/or requests to adapt a training programme to specific needs: adapting the duration of access to training, adapting service resources, accessibility of premises, You can contact our Disability Officer, Simon Fremeaux (simon.fremeaux@ceti.com) on a confidential basis, to discuss your specific training needs.