

# ELEMENTARY NONWOVENS TRAINING COURSE

INDA Headquarters, Cary, NC

September 29-30, 2015  
February 3-4, 2016 | June 21-22, 2016 | September 27-28, 2016

**GAIN THE EDGE IN NONWOVENS: LEARN THE BASICS IN NONWOVEN MANUFACTURING AND PROCESS KNOWLEDGE.**

**INDA's Elementary Nonwovens Training Course** is designed for professionals who are new to nonwovens. Led by an industry and nonwoven expert, the Elementary Nonwovens Training Course uses personal instruction, visual aids, industry samples, and plant production videos to teach the essentials.

Attendees will gain a broad overview and be able to appreciate the diversity of nonwovens and use the nomenclature with confidence. The course includes fiber information, production methods, nonwoven attributes and differences, the value of finishes, world trends, and outlooks. Gain the versatile and flexible business training to improve:

- Engineered fabrics knowledge
- Career opportunities
- Organizational development
- Industry connections

You'll leave this class ready to:

- **Identify** the four steps in making nonwovens
- **Use** the nonwovens industry terminology with confidence
- **Understand** the different kinds of fibers used in nonwovens
- **Recognize** the different manufacturing technologies
- **Learn** market and business intelligence
- **Expand** your career and nonwovens business options
- **Network** with like-minded industry professionals

## OVERVIEW

Designed for professionals new to the nonwovens industry including:

- Administrative
- Business development
- Division management
- Executives
- Finance and accounting
- Human resources
- Legal
- Marketing and sales
- Purchase and supply chain

Manufacturing Processes and Techniques Include:

### Fiber to Fabric

- Airlaid
- Carded
- Wet laid

### Polymer to Fabric

- Meltblown
- Spunbond

### Bonding

- Chemical
- Hydroentangled
- Needlepunched
- Thermal

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## INSTRUCTORS:

**Jim Loftus**, Ph.D., INDA, Director of Education and Technical Affairs. Loftus has over 26 years of materials experience, the last 22 of which have been in building materials with Owens Corning. He has an excellent knowledge of a wide variety of chemical and physical test methods. During his tenure at Owens Corning, Loftus was closely involved with the product stewardship process bringing his materials expertise to bear on product and process issues. He holds a BS, MS, and Ph.D. in Polymer Science and Engineering from Penn State University. Loftus currently holds 16 US patents and has numerous patent applications.

**Brad Kalil**, INDA, Director of Market Research and Statistics. Kalil joined INDA April 2013. He comes to INDA from The Hartman Group where he was Senior Quantitative Research Analyst, advising the world's best known brands on consumer demand and market strategy. Prior to joining The Hartman Group, Kalil had a number of market research/analyst roles in the specialty pulp, tissue and hygiene markets. He also worked for RISI and spent seven years with Weyerhaeuser in market research and business intelligence with many of his customers being the largest hygiene producers in the world.

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*"I would definitely recommend this course for anyone who wants an overview or refresher on nonwovens. I can see it benefiting everyone on different points of the supply chain."*

- Kelley O'Byrne  
Program Assistant, Strategic Initiatives  
Cotton Incorporated

*"Great course! The content was clear and the instructor was definitely a nonwovens expert. I would highly recommend this course to someone new to nonwovens."*

- Nick Milanovich  
Technical Marketing Director  
Weyerhaeuser

*"This training session was very useful to understand the different methods to manufacture nonwoven materials. It covered all aspects which I was looking for."*

- Charles Poston  
Market Manager Textiles  
Kluber Lubrication

**1.5 days**

**INDA/NWI Members: \$1,225 | Non-members: \$1,745**

Multiple registrants from the same company receive a discount.

A comprehensive guide of instruction and reference material is provided to each attendee.