



ELEMENTARY NONWOVENS TRAINING COURSE



Attend the ultimate “nonwovens 101” course – and enter the industry on solid ground!



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

1.5 DAYS

INDA/NWI Members: \$1,250
Non-members: \$1,795

WHEN*

February 15-16, 2017
June 20-21, 2017
September 26-27, 2017

WHERE

INDA Headquarters
1100 Crescent Green, Suite 115
Cary, NC 27518

Multiple registrants from the same company receive a discount.

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

*The elementary training course is offered three times annually.



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
- Needle-punched
- Thermal

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



LEARN THE INS AND OUTS FROM MAJOR POWERHOUSES OF THE NONWOVENS INDUSTRY.

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, Director of Market Research and Statistics, INDA, joined INDA in April of 2013. Kalil is responsible for providing industry thought leadership through the gathering, analysis and dissemination of market information and industry reports for INDA. He is the author or co-author of INDA's triennial Industry Outlook reports on North America, South America and the Global Nonwovens Industry. He has a long history in research and market analysis advising the world's best known consumer packaged goods. He has had a number of market research/analysis roles through the last 25 years. His career also includes work with RISI and he spent seven years with Weyerhaeuser in the corporate economics research group and business intelligence in the cellulose fibers business.

"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
President, Speaking Scientist, LLC





WHAT INDUSTRY PROFESSIONALS SAY ABOUT
INDA ELEMENTARY TRAINING

“This elementary course was a good, basic introduction into the industry and the various ways a nonwoven is produced and converted.”

-Nicole Thompson, Quality Excellence Manager,
Georgia-Pacific Nonwovens

“This course is excellent training for all members of a sales team within a nonwovens manufacturer.”

-Robert Greer, Sales Manager, McAirLaid, Inc.

“This class gave me the basic understanding I was looking for and given its effectiveness, I am likely to talk to my company about signing me up for the intermediate training course. Very happy with everything from the course.”

-Will Matthews, Business Development Manager, Norafin (Americas) Inc.

“Great class to gain a high level understanding of nonwoven engineered fabrics and the basic understanding of their processes.”

-Tom Hicks , Technical Service Manager, Freudenberg Performance Materials





PROFESSIONAL DEVELOPMENT CENTER

NONWOVENS TRAINING COURSE



1.5 DAYS

REGISTRATION FORM



Continental breakfasts, lunches, and reception are included.

I would like to attend the following course:

- February 15-16, 2017
- June 20-21, 2017
- September 26-27, 2017

Name _____

Job Title _____ Company _____

Address _____

City _____ State _____ Zip _____ Country _____

Phone _____ Mobile _____ Email _____

INDA will publish your email address on the event attendee list.

If you do not wish to have your email published, please check the box



PAYMENT (full payment must accompany this registration)

INDA/NWI Member: \$1,250

Non-member: \$1,795

- MasterCard
- VISA
- AMEX
- Check/Money Order (in U.S. funds and drawn on U.S. bank, payable to INDA)

Total Enclosed \$ _____

Card # _____ Card Expires _____ / _____ CVV Code _____
(month) (year)

Billing Zip Code _____ Phone or Email _____

Signature _____

Wire Transfer (for instructions, please contact Tracie Leatham, tleatham@inda.org, or call + 1 919 459 3726).

For all wire transfers, please reference this course and attach confirmation.

Please check here if you have a disability that requires special assistance or accommodation to fully participate.

NOTE: Please attach a written description of your needs. INDA must receive all special assistance requests before training courses in order to accommodate.

GROUP DISCOUNT: Receive \$100 discount per registration for two or more people from one company.

CANCELLATIONS must be in writing and received by INDA 3 weeks prior to the course for a refund.

HOTEL INFORMATION

La Quinta Inn & Suites

191 Crescent Commons
Cary, NC 27518
Phone: 919.851.2850

Standard King or Double room.
La Quinta is less than one mile from INDA offices.

Courtyard by Marriott

102 Edinburgh Drive
Cary, NC 27518
Phone: 919.481.9666

Standard King or Double room.
Use INDA corporate code "19F".
This hotel is approximately 1.4 miles from the INDA office.

Comfort Suites Regency Park

350 Ashville Avenue
Cary, NC 27518
Phone: 919.852.4318

Reservations online:
www.comfortsuites.com...INDA

INDA cannot guarantee room availability. Rental car is recommended. Taxi fare one way from RDU to INDA is approximately \$30.

REGISTER NOW

SPACE IS LIMITED TO 40 PEOPLE. To register, complete this form and fax to +1.866.847.7922 or +1.919.636.7908, or e-mail to tleatham@inda.org.



thenonwovensinstitute.com

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