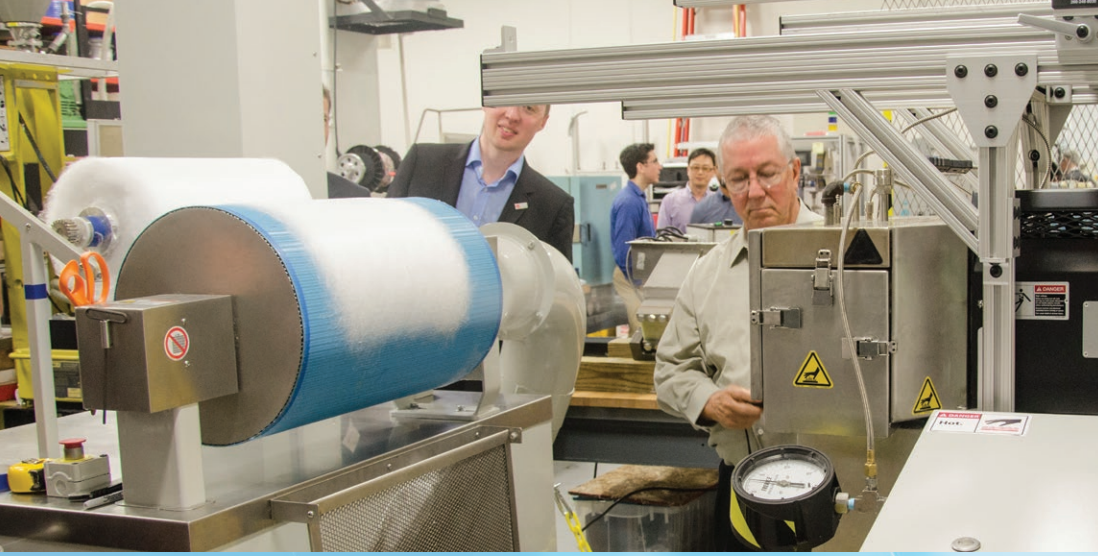


INTRODUCE

**PROFESSIONAL
DEVELOPMENT SERIES
OF NONWOVEN
COURSES**



Starting in 2015, North Carolina State University's Nonwovens Institute (NWI) and INDA will offer members and professionals a jointly organized series of nonwoven short courses – **The Professional Development Series of Nonwoven Courses**. These courses, which will include INDA's highly successful short course training in Elementary Nonwovens and Advanced Nonwovens, have been developed to assist the nonwoven industry and organizational and human resources professionals. The new portfolio harmonizes and unifies both INDA's and NWI's separate nonwoven training courses into a single series. Starting with the nonwoven basics, the educational content and rigor level increases to intermediate and caps off with an advanced series of product development, nanofibers and microfibers, fabric property development and characterization, spunbond and meltblown technology.

The Professional Development Series is a targeted **response to demands from organizational and human resources executives required to develop and retain talented and knowledgeable personnel.**



Starting with the basics, **INDA's Elementary Nonwovens Training Course** provides a platform for industry newcomers to recognize, identify, and appreciate the diversity of nonwovens. Led by industry and nonwoven expert Steve Ogle, INDA Director of Education and Technical Affairs, the course includes personal instruction, visual aids, industry samples, and plant production videos to teach the essentials. Attendees learn the basics about nonwovens in simple, clear, concise language, giving them the knowledge on processes, attributes, uses, and trends to understand their organizations' nonwoven products and marketplace. Attendees learn to speak with confidence on nonwoven processes and receive a comprehensive guide of all class instruction material for future reference.

Moving ahead - the **Intermediate Nonwovens Training Course**, formerly named INDA's Advanced Nonwoven Training Course, now includes live process demonstrations at the NWI in nearby Raleigh NC, with state-of-the-art pilot lines and classes in the science/analytics lab as part of the curriculum. The course is led by industry and nonwoven expert Edward Vaughn, Ph.D., Professor Emeritus at the Clemson University School of Materials Science and Engineering; and NWI's Behnam Pourdeyhimi, Ph.D., Associate Dean for Industry Research and Extension, William A. Klopman Distinguished Professor, North Carolina State University, and Executive Director of The Nonwovens Institute. Industry and academic guest speakers contribute to the educational content.

Designed for industry professionals familiar with nonwovens or individuals with a technical background, this 3.5 day course is a **bridge between** the Elementary Nonwovens Training Course and the Advanced Courses of the Professional Development Series. The course connects technical elements with product performance and differentiation. Attendees will gain an appreciation of how select technologies affect product performance to create visual differences. The course includes the fundamental chemical and physical make up of nonwovens, the properties of materials used in making them and the manufacturing processes to produce them. A Bachelor of Science degree in engineering, textiles, or five years of relevant experience in nonwovens is recommended.

The **Advanced Series** has been created for industry participants looking for deeper knowledge in specific nonwoven areas. Held at the NWI at NC State University and taught by NWI and select industry and guest instructors, the series consists of 3.5 day courses in Fabric Property Development and Characterization, Introduction to Spunbond and Meltblown Technology, and Nonwoven Fiber and Microfiber Fundamentals and Applications. There will also be a 5-day Capstone Course on Nonwoven Product Development and Innovation. The Advanced Series courses are offered once a year.

Multiple attendees from the same company receive a discount.



**Association of the
Nonwoven Fabrics Industry**
ADVANCING NONWOVENS WORLDWIDE®

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