



E-Learning



TAPPI TRAINING CATALOG

TAPPI is training the
Paper, Packaging,
Tissue and
Converting Industries



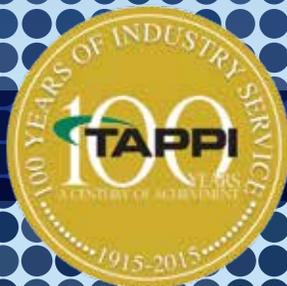
Company Classrooms



Face-to-Face Education



Discover More at tappi.org/calendar



TAPPI helps you train YOUR way!



E-Learning



Company Classroom



Face-to-Face Education

CORRUGATED



TAPPI Corrugated Box, Linerboard & Medium Manufacturing Course

This **introductory-to-intermediate course** strengthens students understanding of the corrugating process, linerboard and medium performance properties and manufacture.



TAPPI Linerboard & Medium Manufacture Course

This **intermediate course** helps students increase their understanding of linerboard and medium performance properties and manufacturing in order to improve performance and runnability. Core topics will cover: linerboard and medium properties, tests, and how these relate to the final box performance.



TAPPI Troubleshooting “Flexos” and “Die Cutters” Sustain Board Caliper & Improve Printing Course

This **introductory-to-intermediate course** will teach students to identify and address downtime issues as well as help to develop a better understanding of machine calibration and how to maintain proper board caliper.



TAPPI Advanced Bonding Course: An In-Depth Look at the Bonding Process

This **advanced course** will help students increase their understanding of the corrugated bonding process including factors and variables that impact bond performance, how to read the board to determine proper bonding settings, glue line analysis, combined board caliber and process centerlining.



TAPPI Best Practices on the Corrugator Course

This **introductory course** will help students learn to achieve higher productivity, better product quality and waste reduction. Students will study the basis of how each component in the corrugator system works and how to run each component with optimum settings for peak performance. Students will also develop an understanding of the critical properties of the raw materials that are vital to guaranteeing acceptable quality board.

Course Pricing

Two Day Training: \$920 Member
\$1,640 Nonmember Pricing

Three Day Training: \$1,125 Member
\$1,965 Nonmember pricing

Four Day Training: \$1,435 Member
\$2,155 Nonmember pricing

TAPPI Professional Membership is \$174.

Join and Save on Training!
tappi.org/join

Pricing is a sample of early bird rates. Group discounts are available. Pricing is subject to change.



TAPPI Improving Paper Machine Performance Course

This **advanced course** will help students learn how to evaluate the performance of each operation of the paper machine from the stock approach system to the reel. This is a “hands-on” course, which will involve group workshops to measure machine performance. Students will learn to apply appropriate TAPPI Technical Information Papers (TIPs) and other industry standards to benchmark paper machine performance.



TAPPI Introduction to Pulp & Paper Technology Course

This **introductory course** gives students increased confidence in understanding pulp and paper processes, ways to interact more knowledgeably with process engineers and operators and increases their ability to contribute to and improve mill operations.



TAPPI Paper Machine Operations Course

This **introductory course** provides students with an increased understanding of kraft pulp mill operations, an awareness of how one part of the process effects other operations, and the effect of processes on kraft pulp quality.



TAPPI Kraft Recovery Course

This **intermediate course** examines key recovery operations in a kraft pulp mill to help students increase their ability to improve pulp production efficiency while minimizing operating costs and environmental problems. The course will cover chemistry, physics and engineering relating to kraft recovery.



TAPPI Introduction to Wet End Chemistry Short Course

This **introductory course** will provide students with a foundation upon which to develop effective wet end chemistry troubleshooting and optimization programs for their companies. This course is designed to facilitate an understanding of improved product quality, increased machine productivity and cost reduction.



TAPPI Advanced Printing Course

This **intermediate-to-advanced course** on printing methods and applications is designed for students who need to understand and apply print quality, attend and conduct print trials and troubleshoot print problems. This course is taught by printing experts from TAPPI's Coating and Graphic Arts Division and is an excellent complement to the Coating Program at PaperCon. Learn more about PaperCon at papercon.org



PULP & PAPER



PID Analysis, Troubleshooting and Tuning

This **one-day seminar** with group exercises teaches students the skills to apply simple metrics to evaluate and benchmark how well their control system is performing, troubleshoot when a loop requires tuning, and determine the optimal tuning for PID loops, distinguish between loop oscillations, interactions, valve problems or loop non-linearity. Students will also be able to describe what cascade control is and what feed-forward is.



TAPPI Biorefinery Course

This **introductory course** provides students with a better understanding of emerging biorefinery technologies and their design and implementation in a business strategy.

TISSUE



TAPPI Tissue 101 Course : Processes & Properties

This **introductory course** increases students understanding of tissue performance properties and manufacturing. It is designed for students who desire a comprehensive overview of the tissue manufacturing process and the effect of processes on product performance properties.



TAPPI Tissue 201 Course: Operations & Runnability

This **intermediate-to-advanced course** will help students to improve tissue quality and consistency, understand contributors to waste and downtime, learn reliability and maintenance best practices and diagnose and troubleshoot problems quickly.



TAPPI Tissue 202 Course: Converting Operations

This **intermediate-to-advanced course** helps students develop an understanding of the tissue transformation and packaging required processes for today's complex products. Students will improve their ability to select, optimize and troubleshoot tissue converting processes.

CONVERTING



TAPPI Troubleshooting “Flexos” and “Die Cutters” Sustain Board Caliper & Improve Printing Course

This **introductory-to-intermediate course** will teach students to identify and address downtime issues as well as help to develop a better understanding of machine calibration and how to maintain proper board caliper.



TAPPI Extrusion Coating Symposium

This **intermediate-to-advanced course** will teach students basic resin and equipment technology (extruders, dies, and auxiliary equipment) that have applications in extrusion coating applications. Further detailed instruction will be provided for equipment and process technology specific to the extrusion coating process. Additionally, experts in the field will discuss commonly faced process problems in extrusion coating.



TAPPI Tissue 202 Course: Converting Operations

This **intermediate-to-advanced course** helps students develop an understanding of the tissue transformation and packaging required processes for today's complex products. Students will improve their ability to select, optimize and troubleshoot tissue converting processes.

Tissue 360° Forum

A comprehensive, peer-reviewed technical forum organized by *Tissue360° Magazine* and TAPPI tissue experts and focusing on technical advances in tissue making, converting and tissue education.

For more information visit papercon.org/tissue



TAPPISAFE Basic Orientation

This course is an OSHA awareness-level orientation for mill contractors, suppliers and visitors that covers 19 safety topics.



TAPPISAFE Defensive Driving

The course teaches students various driving techniques to keep drivers safe while on the road. Topics include driver conditions, vehicle conditions, the first movement, defensive driving techniques and police traffic stops.



TAPPISAFE Confined Space Awareness

This course teaches students a basic understanding of confined space hazard and the general requirements of the OSHA Confined Space Standard. Students will learn the difference between a confined space and a “permit-required” confined space.



TAPPISAFE Back Safety

This course provides training on the anatomy of the back, causes of pain, lifting safety, how to properly carry and place a load, alternatives to lifting and how to maintain a healthy back.



TAPPISAFE Bloodborne Pathogens

This course provides basic terminology and definitions for OSHA’s Bloodborne Pathogen Standard, including information on transmission, exposure and emergency situations.



TAPPISAFE Fall Protection

This course provides information on how to reduce fall hazards in the work place. This course covers basic terminology and definitions are presented as well as information on training and employer responsibilities, fall protection systems, and the basics of elevated work.

For a full list of all TAPPISAFE training courses visit tappisafe.org/courses

HAZWOPER First Responder
Awareness Lvl.1
Fall Protection
Defensive Driving
Scaffolding
Hazard Communication
Electrical Safe Work Practices
Confined Space Awareness
Respiratory Protection
Lockout/Tagout
Fire Extinguisher Basics

Back Safety
Personal Protective Equipment
Fire Safety
Bloodborne Pathogens
Hydrogen Sulfide
Forklift Safety
Ergonomics
Radiation
Hand and Power Tools
Slips, trips and falls



eLEARNING



NEW Online Pulp, Paper, and Tissue Technical Training

These new eLearning courses, developed by Alabama Southern, include Pulp Manufacturing, Paper Manufacturing, and Tissue Manufacturing. The courses are available on a site lease basis, which includes unlimited use for all training at the site, and can be uploaded to your mill's learning management system (LMS). The courses are customizable to specific mill processes, and products; and to varying lecture sizes, and/or to different content levels.

Other courses include:

- Chemical Recovery
- Environmental Control
- Recycling Technology
- Pulp Mill/Paper & Board Testing Labs
- Wet End Chemistry
- Paper Machine Optimization
- Coating Technology.

Visit tappi.org/elearning to purchase a license or to access complete course descriptions



Coming in 2015! TAPPI Peer-reviewed eLearning Modules on the Pulping Process

Learn the basics of pulping from raw material handling to stock preparation with courses on:

- Continuous Cooking
- Superbatch Cooking
- Screening
- Washing
- Oxygen Delignification
- Bleaching
- Woodhandling
- White Liquor Plant
- Pulp Drying
- Baling
- Mechanical Pulping
- Recovery Boiler
- Evaporators
- Spout Robot
- Bubbling Fluidized Bed Boiler
- Circulating Fluidized Bed Boiler
- Mill Wide Systems

Visit tappi.org/elearning to purchase a license or to access complete course descriptions

CURRENT LIST OF UPCOMING COURSES

JANUARY 2015

- **12-15 – TAPPI Introduction to Pulp and Paper Course**
Hilton St. Petersburg Bayfront Hotel, St. Petersburg, Florida, USA
- **12-15 – TAPPI Kraft Recovery Course**
Hilton St. Petersburg Bayfront Hotel, St. Petersburg, Florida, USA
- **27-29 – TAPPI Improving Paper Machine Performance Course**
Peachtree Corners, Georgia, USA

FEBRUARY 2015

- **9-12 – TAPPI Best Practices on the Corrugator Course**
Peachtree Corners, Georgia, USA
- **23-24 – IDCON Planning and Scheduling Course**
Raleigh, North Carolina, USA
- **25 – IDCON Materials and Spare Parts Management Course**
Raleigh, North Carolina, USA

MARCH 2015

- **9-13 – Hands-on Workshop for Pulp and Paper Basics**
North Carolina State University, Raleigh, North Carolina, USA
- **10-12 – Pine Chemicals Association Recovery Short Course**
Atlanta, Georgia, USA
- **16-17 – IDCON Preventive Maintenance/Essential Care & Condition Monitoring (PM/ECCM) Course**
Raleigh, North Carolina, USA
- **18-19 – IDCON Essential Care and Basic Inspection Techniques Course**
Raleigh, North Carolina, USA

APRIL 2015

- **14-16 – TAPPI Best Practices on the Corrugator International**
Shanghai, China
- **18-19 – TAPPI Advanced Printing Course**
Omni Hotel, Atlanta, Georgia, USA
- **22-24 – TAPPI Tissue 201: Operations and Runnability Course**
Omni Hotel, Atlanta, Georgia, USA
- **23 – PID Analysis, Troubleshooting and Tuning Course**
Omni Hotel, Atlanta, Georgia, USA
- **27-May 1 – IDCON Root Cause Problem Elimination-Work Process and Forensics Course**
Beaumont, Texas, USA

MAY 2015

- **11-13 – Forest Products Society - Intro to Wood Science and Forest Products Course**
Starkville, Mississippi, USA
- **18-19 – TAPPI Corrugated Box & Linerboard Medium Manufacturing Course**
Appleton, Wisconsin, USA
- **19-20 – TAPPI Paper Machine Operations Course**
Appleton, Wisconsin, USA
- **19-20 – TAPPI Troubleshooting “Flexos” and Die Cutters” Sustain Board Caliper & Improve Printing Course**
Appleton, Wisconsin, USA

JUNE 2015

- **1-2 – IDCON Planning and Scheduling Course**
Longview, Washington, USA
- **8-12 – Hands-on Workshop for Pulp and Paper Basics**
North Carolina State University, Raleigh, North Carolina, USA
- **16-18 – TAPPI Introduction to Wet End Chemistry Course**
Peachtree Corners, Georgia, USA

JULY 2015

- **11-13 – TAPPI Tissue 202: Converting Operations Course**
Neenah, Wisconsin, USA
- **12-17 – NAPIM Summer Course**
Fox Valley Technical College Appleton, Wisconsin, USA
- **27-31 – Hands-on Workshop for Environmental Life Cycle Assessment**
North Carolina State University, Raleigh, North Carolina, USA

AUGUST 2015

- **4-5 – TAPPI Intro to Kraft Pulping & Bleaching**
Peachtree Corners, Georgia, USA
- **17-20 – TAPPI Linerboard Medium Manufacture Course**
Peachtree Corners, Georgia, USA
- **19-20 – Advanced Bonding: An in-depth look at the Bonding Process**
Peachtree Corners, Georgia, USA

SEPTEMBER 2015

- **14-15 – IDCON Preventive Maintenance/Essential Care & Condition Monitoring(PM/ECCM) Course**
Raleigh, North Carolina, USA
- **16-17 – IDCON Essential Care and Basic Inspection Techniques Course**
Raleigh, North Carolina, USA

OCTOBER 2015

- **5-9 – Hands-on Workshop for Pulp and Paper Basics**
North Carolina State University, Raleigh, North Carolina, USA
- **5-9 – IDCON Root Cause Problem Elimination-Work Process and Forensics Course**
Raleigh, North Carolina, USA
- **30-Nov. 1 – TAPPI Biorefinery Course**
Atlanta, Georgia, USA

NOVEMBER 2015

- **2-3 – IDCON Planning and Scheduling Course**
Raleigh, North Carolina, USA
- **4 – IDCON Materials and Spare Part Course**
Raleigh, North Carolina, USA
- **4-5 – TAPPI Tissue 101: Properties & Processes Course**
Peachtree Corners, Georgia, USA

TAPPI Members can receive discounted registration to these events.

Be sure to mention your TAPPI Membership when registering. For more information on any of these courses go to www.tappi.org/calendar or contact Mary Beth Cornell at mcornell@tappi.org

NOTE: THESE DATES ARE SUBJECT TO CHANGE

TAPPI COMPANY CLASSROOMS BRING TRAINING TO YOU



Onsite Training

Finding experienced experts with INDUSTRY-specific knowledge to train your workforce can be challenging. TAPPI's industry recognized continuing education program provides **customized** training for your workforce without the expense of travel.

What is a Company Classroom?

Our expert training instructors have years of experience working in the paper, packaging, tissue and converting industries so they understand the needs of manufacturers and suppliers to the industry. Instructors create tailored, onsite classrooms after conducting a needs assessment with your company. Courses can cover everything from entry level training, like our Intro to Pulp and Paper, to advanced niche topics such as Tissue Runnability.

Why Invest in a Company Training Course?

TAPPI Company Classrooms provide a good ROI by offering:

- ✓ Real World training and solutions
- ✓ Focused Presentation
- ✓ No lost time away from the facility or office
- ✓ Confidential learning environment that promotes idea exchange and problem solving
- ✓ Maximize your training budget – one flat fee
- ✓ Improve Productivity!



Continuing Education Credits Provide Training Incentives for Your Staff

CEUs - The Education Project Center of TAPPI has been reviewed and approved as an Authorized Provider by the International Association for Continuing Education and Training (IACET), 7918 Jones Branch Dr., Suite 300, McLean, VA 22102

To register for a company classroom email or call today!

Contact Mary Beth Cornell, email: mcornell@tappi.org or +1770-209-7210



The Power of Connection Profiting from TAPPI Membership

Find out more at www.tappi.org/join



Save time

TAPPI's e-library is free to members, with 20,000+ papers, articles, and studies



Hone your expertise

Access the latest news, research, and technology developments making headlines and driving the industry



Enhance your learning

TAPPI's educational resources and professional development initiatives cover a range of vital subject areas



Broaden your connections

Grow professional relationships, build fellowship, and gain recognition through the online TAPPI Community



Save money

Receive substantive discounts on TAPPI PRESS published books, proceedings, conferences, and courses



Advance your career

The TAPPI Career Center is an ideal platform for posting your résumé and exploring new job opportunities

To be the best, it helps to be among the best ...