What's your ETA?

Expected Training Achievement

TAPPI Academy guides the way.
Career planning is an important journey. Similar to traveling, we rely on markers and navigational aids that help us get where we’re going.

TAPPI Academy delivers career support to help you confidently move ahead with tools that help you refuel and stay on track.

Become familiar with the training resources listed on the right, bookmark them and plan a successful professional pathway with us.

Need specific help? Reach out!

Online: www.TAPPI.org/Academy
Email: training@TAPPI.org
Phone: 770-209-7222

TAPPI is the oldest and largest membership organization serving all sectors of the pulp, paper, packaging and converting industries worldwide.

TAPPI.org/Membership

“TAPPI is a 107-year-old organization with members in more than 66 countries. TAPPI is known for its standards used throughout mills in North America and the world and its resources like TAPPI Academy to advance workforce training and education.”

~ Larry N. Montague, TAPPI President and CEO
TO ADVANCE YOUR CAREER

TAPPI Academy resources are excellent stepping stones for your own career path. With so many options, choosing a first step or planning ahead may feel challenging.

**Invest Time for Education**

Set aside dedicated time to scan TAPPI Academy resources to find training resources that apply directly to your role at work. Many options are free with TAPPI membership, such as documents and articles found in eLibrary or convenient webinars that often take less than an hour to view. You can follow a sustained training path similar to the one below to integrate TAPPI Academy resources into a long-term educational plan.

**Coordinate with Your Supervisor**

Schedule a discussion with your manager about areas where you may need additional knowledge and skills to perform to the best of your ability. Ask about the growth potential with your position and what training or certifications you’ll need to get there. You may also want to share with your manager the research you’ve compiled using TAPPI Academy resources to identify other topics and products that would help you reach your goals.

**Prepare Supporting Materials**

Conferences and face-to-face training events may also have travel expenses to consider. TAPPI provides printable materials to help you justify costs and communicate the return on investment for specific training.

TO ADVANCE YOUR WORKFORCE

TAPPI Academy is an invaluable go-to if you assist others with employee training or manage workforce development within your organization.

We can help you plan and integrate a long-term process for training that can be tailored to fill shortfalls and reach objectives.

**Consider a TAPPI Company Classroom for Customized Training**

Many of TAPPI’s training courses can be tailored to fit your company’s specific needs, time and budget. A Company Classroom can be designed for one or multiple days, and delivered as blended learning, an online course or onsite at your location. You set the variables!

TAPPI.org/Company Classroom

**Company Licensing Available for eLearning**

TAPPI Academy eLearning resources provide excellent training options for your entire company or team. Site licenses are beneficial for groups of employees, extending the reach of the curriculum and allowing for training flexibility.

TAPPI.org/eLearning

**Team Training Plan**

As you get started, consider these steps for your organization:

1. **Conduct a Needs Assessment Survey**
   Ask managers to identify skills needed on their teams.

2. **Analyze Staffing Changes**
   Determine knowledge shortfalls from new hires, retirements, or performance evaluations.

3. **Assess Training Options**
   Match company training needs with learning outcomes, curriculum topics, and instructor expertise. TAPPI can walk you through this!

4. **Outline Training Recommendations**
   Summarize goals, time required, expenses and ROI. Reach out to training@tappi.org with your questions.
A co-worker told me about the TAPPI Wet End Chemistry Course and I wanted to gain a foundation in papermaking and understand how the process relates to quality defects. I’ll now be able to ask the right questions when it comes to production. I really enjoyed the overall content.

I attended the TAPPI Introduction to Pulp and Paper Technology Course because I wanted an overview of the entire pulping and papermaking process. I now ask better questions and have a better understanding of the answers.

I now focus on a few more details in rounds and routines. I now look for problems before they become issues more than I did before.

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“Introduction to Wet End Chemistry Course”

Introduction to Printing Course
Printing system components, including ink, fountain solution, and paper requirements
Face-to-Face Event
TAPPI.org/IPPC

Introduction to Wet End Chemistry Course
Wet end chemistry troubleshooting, optimization, product quality, machine productivity
Face-to-Face Event
TAPPI.org/IWECC

“Introduction to Wet End Chemistry Course”

Paper Systems
Broke cleaning, screening, broke repulpers, inventory, under-machine repulpers
Online

Chemical Additives
Starch cooking and wet end chemistry
Online

Converting
Sheeting of paper, palletizing, and paper reel packing
Online

Dry End Equipment
Calendering, coaters, rotogravure, QCS scanners, paper coating, real systems, tail Framing
Online

Filling
Winding, pulp drying and baling, tail handling, wrapping
Online

Firing
Firing fabrics, furnaces, twin-wire formers, sheet formation, and wet edge control
Online

General Papermaking
Papermaking processes, doctor blades, safety, and steam theory
Online

Headboxes
Air-padded headboxes, hydraulic headboxes, and stock jet geometry
Online

Introduction to Kraft Pulping and Bleaching Course
Kraft pulp mill operations: effect of processes on kraft pulp quality
Face-to-Face Event
TAPPI.org/KPCBC

Introduction to Pulp & Paper Technology
Technology overview of how and why things happen in pulp and paper processes
Face-to-Face Event
TAPPI.org/PP

Introduction to Wet End Chemistry Course
Wet end chemistry troubleshooting, optimization, product quality, machine productivity
Face-to-Face Event
TAPPI.org/IWECC

“Introduction to Wet End Chemistry Course”

Kraft Recovery Operations Course
Intermediate: covers chemistry, physics and engineering principles in kraft recovery mills
Face-to-Face Event
TAPPI.org/KROS

New Web Handling and Converting
Eliminate wrinkles, baggy webs and apply effective spreading. Troubleshoot a variety of web, web handling and converting issues. Control systems for tension, nip, guiding and design processes included.
Online

New Web Winding, Machines, Mechanics and Measurements
Eliminate winding defects, troubleshoot a variety of web, winding and operational issues. Winding machinery, winding control systems for tension, nip and torque included.
Online

Wet End Chemistry
Wet Pressing
Felt cleaning and conditioning, roll presses, shoe presses, steam boxes, wet pressing theory
Online

White Water and Filtrate Systems
DAF systems, strainers, filters, clarification, white water system design
Online

Best-selling text to introduce the entire technology of pulp and paper manufacture. This renowned book has been updated to reflect the latest technology and the current state of the North American industry.
Online

Advances in Papermaking
Wet End Chemistry Application Technologies
This book describes the most important advances in papermaking wet end chemistry application technologies in past decades. Highlights how recent progress in equipment, automation and procedures are providing papermaking efficiency plus uniformity and end-use performance of products. Available at TAPPI.org/Bookstore
Online

Webinars
TAPPI Academy webinars are brief (typically one hour or less) and convenient since you can watch them at work, home or anywhere that you’re online.

We thought you might be interested in the most-watched webinars this past year:

- Innovating Renewable Materials in the Future
- Flash Mixing Wet End Additives
- Personnel Protection Using Textile Substrates
- Paper Machine Water Efficiency
- The Benefits of a Risk-based Pressure Vessel and Storage Tank Inspection Program
- The Future of Manufacturing Execution Systems: Towards Autonomous Mills
- Papermaking with Non-wood Fibers
- Current Activities in Measuring Size Distributions of Cellulose Nanomaterials
- Total Pulp and Paper Mill Energy Evaluations
- Nanotechnologies to Advance the Carbohydrate-based Society

Please go to TAPPI.org/Academy or TAPPI.org/Bookstore for more information.

On Your Watch

- TAPPI.org/Academy webinars are brief (typically one hour or less) and convenient since you can watch them at work, home or anywhere that you’re online.
- We thought you might be interested in the most-watched webinars this past year:
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- Flash Mixing Wet End Additives
- Personnel Protection Using Textile Substrates
- Paper Machine Water Efficiency
- The Benefits of a Risk-based Pressure Vessel and Storage Tank Inspection Program
- The Future of Manufacturing Execution Systems: Towards Autonomous Mills
- Papermaking with Non-wood Fibers
- Current Activities in Measuring Size Distributions of Cellulose Nanomaterials
- Total Pulp and Paper Mill Energy Evaluations
- Nanotechnologies to Advance the Carbohydrate-based Society

Please go to TAPPI.org/Academy or TAPPI.org/Bookstore for more information.
Pulp Education

- **Chemical Recovery**
  Chemical recovery operations, terminology, equipment and process variables
- **Evaporators**
  Black liquor evaporator operations, equipment, principles, testing
- **Environmental**
  CNCO and contaminated condensate systems, HVAC, and wastewater systems
- **Environmental Control**
  U.S. environmental laws/regulations, air emission treatment and more
- **Fiber Supply**
  Fiber supplied to the pulping process: log handling, chip screening and testing and more
- **Introduction to Pulp & Paper Technology**
  Technology overview of how and why things happen in pulp and paper processes
- **Kraft Recovery Operations Course**
  Kraft pulp mill operations; effect of processes on Kraft pulp quality
- **Introduction to Kraft Pulping and Bleaching Course**
  Kraft pulp mill operations; effect of processes on Kraft pulp quality
- **Introduction to Wet End Chemistry Course**
  Wet end chemistry troubleshooting, optimization, product quality, machine productivity
- **Kraft Pulping**
  Batch cooking, blow line refining, brown stock systems, digesters, Kraft pulp cooking by-products
- **Kraft Recovery Operations Course**
  Intermediate: covers chemistry, physics and engineering principles in Kraft recovery mills

"The Intro to Kraft Pulping and Bleaching Course helped me become more productive. The washing and bleaching sections were particularly appreciated. It's good to reinforce what I already know and fill in the gaps."

Additional titles include:

- **Advanced Bonding Course**
  Increases understanding of corugated bonding process, variables impacting bond performance, bonding settings, glue line analysis, combined board calibrator, process centering
- **Best Practices on the Corrugator Course**
  Supports achieving higher productivity for better product quality board, waste reduction, settings for peak performance, critical properties of raw materials
- **Board Tests**
  Tests used to predict stacking performance of boxes, performance during handling, tests used to monitor corrugating and converting equipment of box plants, flat crush test (FCI), warp test
- **Box Plant Equipment Basics**
  Common box plant equipment and processes, discusses equipment layout, material flows, storage considerations
- **Converting Adhesives**
  Background of converting adhesives, describes purpose or function of ingredients in modern, starch-based adhesives
- **Converting Box Basics**
  Common industry terms, describes popular converting boxboard styles, corrugated box usage considerations
- **Dieseters**
  Corrugating process, wet end components, preconditioning, preheating, corrugating and pressure rolls, adhesive application, double face glue unit, hot plate section, dry end, stacker, and double, triple wide corrugators
- **Flexo Folder- Glues**
  Design and operation of the machine sections of a flexo folder-gluer, feed section, printing section, creaser-slicer, die cutter, glue lap unit, folding section, delivery end
- **Introduction to Corrugated Course**
  Develops abilities in developing, understanding, and communicating common corrugated language to identify and resolve quality issues on the corrugator
- **Other Box Plant Equipment**
  Design and operation of box plant equipment, printer-slaters, folder gluers, strippers, emulsions, laminators, presses, litho-laminators, bundlers and palletizers
- **Raw Materials**
  Wood fiber sources, chemical pulping, papermaking processes, and various glues, inks, and coatings used in the production of corrugated board and corrugated boxes
- **Safety**
  Safe work behaviors, equipment safety hazards, stored energy hazards, chemical hazards, emergency stops, vehicle and pedestrian hazards within box plants
- **Converting Containers Manufacturing Process**
  Comprehensive textbook describes the entire process of manufacturing converting containers; provides in-depth content for professionals working in all areas of converting containers. Available at TAPPI.org/bookstore

"TAPPI’s Kraft Recovery Operations Course gave me a better understanding of recovery overall. The reference materials were useful and the presenters were absolute experts in their field."

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TAPPI recommends The Packaging School as an exclusive licensee of the professional packaging curriculum developed at Clemson University. Learn more about this valuable partnership at TAPPI.org/packagingschool.

TAPPI.org/Academy or TAPPI.org/Bookstore for more information.
Tissue Education

Introduction to Tissue Overview of converting process from unwind stands to the big saw machinery and processes of rolled products explained with animations, descriptions and voice-overs Online

Introduction to Tissue Utilizes animations, descriptions and voice-overs to describe the tissue wrapping process; breaks down each sub-section and process of a multi-layer poly wrapper and bundler Online

Tissue 101: Properties & Processes Course Introductory training designed for anyone who needs a comprehensive overview of tissue manufacturing; increases students’ understanding of tissue performance properties and process effect on product performance Face-to-Face Event

Tissue 201: Operations & Runnability Course Intermediate - to advanced-level course focused on improving tissue quality and consistency and understanding contributors to waste and downtime; covers reliability and maintenance best practices, troubleshooting Virtual Course

Tissue Operations and Runnability Course Professional Certificate ensures demonstration of competency in critical tissue manufacturing knowledge Exam for Certificate

Tissue 202: Converting Operations Course Intermediate instruction on basic rolled products converting processes, tissue parent roll (jumbo reel/soft roll) quality and variability, and impacts the runnability of these complex lines; includes a tour and demonstration through a working pilot plant at Fabio Perini North America Face-to-Face Event

Tissue Manufacturing Technology Introductory instruction designed to increase understanding of tissue properties, raw materials, equipment and processes Online

Yankee Dryer Overview Introductory-intermediate course designed to provide an overview of the Yankee dryer system from design and construction through to steam and condensate systems, Yankee dryer coating, hoods, air systems, safety and dry creping basics Online

Guidelines for Safe Assessment and Operation of Yankee Dryers Prepared by TAPPi’s Yankee Dryer Safety Subcommittee to provide guidelines for the safe operation and management of Yankee dryers. Available at TAPPi.org/Bookstore

TAPPI Professional Certificate Earning the TAPPi Professional Certificate is the new standard of excellence in careers within the forest products industries. The seal ensures you demonstrate competency in critical knowledge and demonstrates you are ready to expertly manage demands at work. Exams are developed by industry practitioners who uniquely understand the technical knowledge and experience required for superior performance in the global forest products environment. TAPPi.org/Certificate

Flexible Packaging Education

Blown and Cast Film Extrusion Course Covers common resins and equipment used in blown and cast film applications; film extrusion technology, improving existing extrusion processes Face-to-Face Event

Extrusion Coating Symposium Intermediate-to-advanced course delivers basic resin and equipment technology (extruders, dies, and auxiliary equipment) for extrusion coating applications; covers common process problems in extrusion coating Face-to-Face Event

Extrusion Coating Manual, 5th Edition The most comprehensive, hands-on manual covering the extrusion coating process, materials, equipment, and products for engineers, technicians, operators, and managers. Available at TAPPi.org/Bookstore

The Ultimate Roll and Web Defect Troubleshooting Guide Considered an imperative guide for troubleshooting roll and web defects; a communication tool for suppliers and their customers to assist in the identification and elimination of roll and web defects. Available at TAPPi.org/Bookstore

We’re an essential partner in your team’s success.

TAPPi Academy Company Solutions in Training

TAPPi.org/Company Classroom Customized training designed by experts Delivered onsite or online

TAPPi.org/eLearning Flexible options in TAPPi eLearning Connects your team to convenient training

Collaborate with us at training@tappi.org.
SAFETY CROSSES
ALL BORDERS
...AND ALL FACILITIES

Save time and reduce regulatory scrutiny with TAPPISAFE’s standardized approach:

- Basic Orientation
- Customized Site Orientation
- Customized Employee Orientation
- GateCheck Real-Time Verification
- Truck Driver Orientation

Visit TAPPISAFE.org or contact us at INFO@TAPPISAFE.ORG


What are Standards? A Standard is a common language that promotes the flow of goods between Buyer and Seller and protects the general welfare.*

TAPPI Standards are critical to the pulp, paper, tissue, package and converting industry.

3 Quick Steps to Get Started
1. Visit tappi.org/JoinStandards
2. Complete the short form
3. Get Started!

Sustaining Membership Benefits

1. Professional TAPPI membership for primary contact
2. six-month gift memberships
3. charitable donations towards student memberships
4. Paper360° magazine subscription
5. TAPPI Journal subscription
6. TAPPI Journal Yearbook
7. 25,000+ technical papers and articles in the TAPPI e-Library
9. Discount on job postings to Career Center
10. Discounted site license for TAPPI Standards & TIPS
11. 1 complimentary registration for a course or conference
12. $1,500 charitable donation tax credit
13. $1,000 discount on development of a customized employee safety orientation course through TAPPISAFE

Sustaining Members get discounts on Company Classroom Training
contact Shannon Warchalowsky at SWarchalowsky@tappi.org or +1.770.209.7296 to discuss your company classroom needs.

TAPPI is certified by the American National Standards Institute (ANSI) as an American National Standards development organization. *ASTM

TAPPI Standards Test Methods are testing procedures used in the measurement, evaluation, and description of products including raw materials used in their manufacture, use in scientific investigations.

Join a Standard Specific Interest Group (SSIG) & create and review Standards

Get access to peer network, grow and share your knowledge, & become an influencer

TAPPISAFE – Half-Page Promo

Please go to TAPPI.org/Academy or TAPPI.org/Bookstore for more information.
**TRAINING EVENTS**

**MARCH**

NCSU Hands-On Workshop for Pulp & Paper Basics  
March 14-18 — NC State University, Raleigh, NC

IDCON Shutdown Turnaround Optimization Process (S-TOP)  
March 21-23 — Raleigh, NC

**APRIL**

IDCON Root Cause Problem Elimination  
April 5-7 — Raleigh, NC

Paper Machine Operations Course  
April 19-21 — Neenah, WI

IDCON Develop & Manage Preventive Maintenance  
April 19-21 — Raleigh, NC

Tissue 101: Properties & Processes Course  
April 30 – May 1 — At TAPPICon, Charlotte, NC

**MAY**

IDCON Essential Care and Basic Inspections  
May 2-4 — Raleigh, NC

IDCON Work Management Planning & Scheduling  
May 17-19 — Raleigh, NC

Tissue 202: Converting Operations Course  
May 24 – 26 — Green Bay, WI

**JUNE**

NCSU Hands-On Workshop for Pulp & Paper Basics  
June 6-10 — NC State University, Raleigh, NC

Introduction to Wet End Chemistry  
June 7-9 — At TAPPI, Metro Atlanta, GA

**JULY**

Advanced Coating Materials & Operations  
July 19-21 — WMU, Kalamazoo, MI

**AUGUST**

Extrusion Coating Symposium  
August 15-17 — Neenah, WI

**SEPTEMBER**

IDCON Materials and Spare Parts Management  
September 2022 — Raleigh, NC

IDCON Work Management Planning & Scheduling  
September 2022 — Raleigh, NC

Tissue 201: Operations & Runnability Course  
Fall 2022 — Virtual

**OCTOBER**

NCSU Hands-On Workshop for Pulp & Paper Basics  
October 10-14 — NCSU, Raleigh, NC

IDCON Develop and Manage Preventive Maintenance  
October 2022 — Raleigh, NC

**NOVEMBER**

IDCON Shutdown Turnaround Optimization Process (S-TOP)  
November 2022 — Raleigh, NC

IDCON Root Cause Problem Elimination  
November 2022 — Raleigh, NC

**JANUARY 2023**

Introduction to Pulp and Paper Technology  
January 9-12, 2023 — St. Petersburg, FL

Kraft Recovery Operations  
January 9-12, 2023 — St. Petersburg, FL