What’s your ETA?

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.org/CompanyClassroom
Customized training designed by subject-matter experts and delivered onsite, virtually or as blended learning

TAPPI.org/TrainingEvents
Interactive face-to-face and blended learning events offer the opportunity for interaction with TAPPI’s field of exceptional instructors

TAPPI.org/eLearning
Flexible, on-demand curriculum designed by subject-matter experts - company licenses available

TAPPI.org/webinars
Focused content, typically an hour or less, covering best practices, latest technology and many industry topics

TAPPI.org/eLibrary
More than 25,000 searchable documents, including articles from Paper360, Tissue360, TAPPI Journal and conferences

TAPPI.org/Bookstore
Known worldwide as an industry leader for publishing reliable and practical books, manuscripts, conference papers, journals and more

TAPPI.org/TAPPISAFE
Delivers safety training and best practices featuring a centralized database for instant verification

TAPPI.org/CareerCenter
Interactive industry resource for job alerts, resume writing, career coaching and instructional training

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 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 e-learning 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. “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.”

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On Your Watch
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 Site Distributions of Cellulose Nanomaterials**
- **Total Pulp and Paper Mill Energy Evaluations**
- **Nanotechnologies to Advance the Carbohydrate-based Society**

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

### Bleaching
- Alkaline extraction, bleaching equipment, recycling, oxygen delignification
- Online

### Chemical Recovery
- Chemical recovery operations, terminology, equipment and process variables
- Online

### Evaporators
- Black liquor evaporator operations, equipment, principles, testing
- Online

### Environmental
- CNCO and contaminated condensate systems, HVAC, and wastewater systems
- Online

### Environmental Control
- U.S. environmental laws/regulations, air emission treatment and more
- Online

### Fiber Supply
- Fiber supplied to the pulping process; log handling, chip screening and testing and more
- Online

### Introduction to Pulp & Paper Technology
- Technology overview of how and why things happen in pulp and paper processes
- Online

### Kraft Recovery Operations Course
- "NEW! The book is coauthored by eight experts who have served as instructors for the Kraft Recovery Operations Course for many years. Available at TAPPI.org/Bookstore"
- Online

### Kraft Recovery Operations Course
- Kraft pulp mill operations; effect of processes on Kraft pulp quality
- Face-to-Face Event

### Kraft Pulping and Bleaching Course
- "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."
- Face-to-Face Event

### Kraft Pulping Course
- Batch cooking, blow line refining, brown stock systems, digesters, Kraft pulping by-products
- Online

### Kraft Recovery Operations Course
- Intermediate; covers chemistry, physics and engineering principles in Kraft recovery mills
- Face-to-Face Event

### Kraft Recovery Operations Course
- "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."
- Face-to-Face Event

### Pulp Manufacturing Technology
- Overview of pulping, pulp processing, bleaching technology, process variables, equipment
- Online

### Pulp Properties & Testing Labs
- Labs of procedures used to analyze raw materials, chips, pulp and more
- Online

### Recarber
- Dryers washing, electrostatic precipitators, exhaust gas scrubbers, green liquor clarifiers and more
- Online

### Recovery
- Fluidized bed boilers, Kraft recovery boilers, baghouses
- Online

### Technology and Science of Paper Recycling
- Recycling processes; quality of the raw material, environmental requirements, cost reduction and more
- Online

### Supplemental and Recycled Fiber
- OCC and supplemental and recycled fiber processes
- Online

### Brownstock Washing Fundamentals and Practices
- Provides knowledge for pulp mill employees at any level. This book reviews current state-of-the-art methods for designing and operating brownstock washing systems. Available at TAPPI.org/Bookstore
- Online

### Lime Kilns and Recalcining
- A review of the entire Kraft chemical recovery cycle; lime kiln chemistry and all areas of the kiln, both process and mechanical. Designed for operating engineers new to the industry and as a refresher for seasoned engineers in this area of the mill often overlooked in most textbooks.
- Online

### Kraft Recovery Bokers, Third Edition NEW!
- Covers chemical principles, black liquor properties, sprays and combustion/tar bed characteristics, fouling, plugging, rootflowing, corrosion and cracking, emissions, safety, and control design principles. The book is coauthored by eight experts who have served as instructors for the Kraft Recovery Operations Course for many years. Available at TAPPI.org/Bookstore
- Online

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## Corrugated Education

### Advanced Bonding Course
- Increases understanding of corugating bonding process, variables impacting bond performance, bonding settings, glue line analysis, combined board caliper, process centering
- Face-to-Face Event

### 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
- Face-to-Face Event

### Board Tests
- Tests used to predict stacking performance of bases, performance during handling, tests used to monitor corugating and converting operations at box plants and Yap equipment
- Online

### Box Plant Equipment Basics
- Common box plant equipment and processes, discusses equipment layout, material flows, storage considerations
- Online

### Conjugated Adhesives
- Background of conjugating adhesives, describes purpose or function of ingredients in modern, starch-based adhesives
- Online

### Conjugated Packaging Box Plant Basics
- Fundamental overview of equipment, materials, and processes
- Online

### Conjugated Box Basics
- Common industry terms, describes popular conjugated box styles, conjugated box usage considerations
- Online

### Corrugators
- 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 wall corrugators
- Online

### Die Cutters
- Die-cutting and box making equipment, design and operation of rotary and platen die cutters, in-line sectional die cut machines
- Online

### Flexo Folder-Gluers
- Design and operation of the machine sections of a flexo folder-gluer, feed section, printing section, crease, slotter, die, cutter, glue lap unit, folding section, delivery end
- Online

### Introduction to Corrugated Course
- Develops abilities in developing, understanding, and communicating common conjugated language to identify and resolve quality issues on the corrugator
- Face-to-Face Event

### Other Box Plant Equipment
- Design and operation of box plant equipment, printer-slotters, folder-gluers, stitchers, tapers, laminators, presses, litho-laminators, bundlers and palletizers
- Online

### Raw Materials
- Wood fiber sources, chemical pulping, papermaking processes, and various glues, inks, and coatings used in the production of conjugated board and conjugated boxes
- Online

### Safety
- Safe work behaviors, equipment safety hazards, stored energy hazards, chemical hazards, emergency stops, vehicle and pedestrian hazards within box plants
- Online

### Conjugated Containers Manufacturing Process
- Comprehensive textbook describes the entire process of manufacturing conjugated containers; provides in-depth content for professionals working in all areas of conjugated containers
- Online

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

Additional titles include:

**NEW** Packaging 101 Boot Camp
- Corrugated Containers
- Paperboard Cartons
- Sustainable Packaging

Packaging Foundations
- Packaging Laws and Regulations
- Packaging Distribution
- Packaging Design Workflow

Packaging Machinery
- Packaging Printing
- Glass Packaging
- Metal Packaging
- Polymeric Packaging

Please go to 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

**Introduction to Tissue Converting Course**
Utilizes animations, descriptions and voice-overs to describe the tissue wrapping process; breaks down each sub-section and process of a multi-layer paper wrapper and binder

**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

**“I attended Tissue 101 to learn about small things, details that I otherwise would not have learned at work. As a process engineer, I now have a couple of follow ups with our chemical supplier and potentially some new projects to work on.”**

**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

**Tissue Operations and Runnability Course**
Professional Certificate ensures demonstration of competency in critical tissue manufacturing operations

**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

**“TAPPI’s Tissue Converting Course improved my knowledge of converting and allowed me to do more innovation work. We covered the function of each roll. Lots of videos helped show how things work. I also liked the pilot visit to see the real rolls and how converting runs.”**

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

**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.

**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

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**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

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

**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.

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**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

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

**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.

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

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

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

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


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.

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

3 Quick Steps to Get Started

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

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

TAPPISAFE.org

Pulp and Papermaking Training Path

TAPPI is Here to Help You Build a Roadmap to Success.

GET STARTED
Introduce all new hires technical, operators, non-technical to the industry with these resources:
- Principles of Wet End Chemistry
eLearning courses from ngiz:
  - Pulp Manufacturing Technology
  - Paper Manufacturing Technology
  - Wet End Chemistry

MAINTAIN MOMENTUM
Critical Thinking in Converting
The Ultimate Roll and Web Defect Troubleshooting Guide
eLearning course from ngiz:
  - Paper Machine Optimization

ATTEND:
- April 22-26, 2023, Atlanta, GA
- October 30-November 1, 2022, Providence, RI

ADVANCE FORWARD
- Read Process Chemicals for Papermaking
  - Participate in the TAPPI Standards and TIPs review process. There’s no better way to gain understanding of each Test Method, share expertise, and influence industry best practices.
  - tappi.org/joinstandards

Get started today at tappi.org/pandptraining

MOVE AHEAD
Add on more comprehensive training like:
- Kraft Recovery Boilers, Third Edition
- Advances in Papermaking Wet End Chemistry Application Technologies
- The Web Handling Handbook
eLearning courses from ngiz:
  - Pulp Testing Laboratories
  - Paper Coating Technology
  - Recycling Science & Technology
  - Paper Testing Laboratories

In-Person Courses:
- Kraft Recovery Operations Course January 9-12, 2023, St. Petersburg, FL
- Introduction to Kraft Pulping & Bleaching Course August 23-24, 2022, Peachtree Corners, GA

Get started today at tappi.org/pandptraining

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

1. Professional TAPPI membership for primary contact
2. Six-month gift memberships
5. Charitable donations towards student memberships

• Premium exhibit space at TAPPI-PIMA Student Summit
• Discounted TAPPI event registration for company employees
• Recognition plaque to display at TAPPI events for exhibitors

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

Discounted site license for TAPPI Standards & TIPS
1 complimentary registration for a course or conference
discount on development of a customized employee safety orientation course through TAPPISAFE

$1,500 charitable donation tax credit

25,000+ technical papers and articles in the TAPPI e-Library

$1,000 plus... Buyer’s Guide listing & a copy of the Buyer’s Guide

Discount on sponsorships & exhibiting

TAPPI ACADEMY

TRAINING EVENTS

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 24-25 — 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
• WMU Paper and Paperboard Coating Course July 19-21 — WMU, Kalamazoo, MI

AUGUST
• WMU Fiber Recycling Course August 2-4 — WMU, Kalamazoo, MI
• Extrusion Coating Course August 16-18 — Neenah, WI
• Introduction to Kraft Pulping and Bleaching Course August 23-24 — TAPPI HQ, Peachtree Corners, GA

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
• Blown and Cast Film Extrusion Course October 4-6 — Minneapolis, MN
• 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

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