GLOBAL PACKAGING ONLINE EDUCATION

Advancement for the motivated and inspired in the packaging world.
The Packaging School was founded by Dr. Andrew Hurley, professor of packaging science at Clemson University, after continuous requests from material suppliers, converters, printers, consumer brands, and logistics companies to provide continuing education for their employees.

For such an extensive global industry, academic resources for packaging were limited and often inaccessible for people who needed that knowledge on demand. We are changing this.
As the Exclusive Licensee of a Professional Packaging Curriculum developed at Clemson University, The Packaging School is the first entity to offer a comprehensive online education to anyone interested in advancing their expertise.

Our online certificate program is an approachable and convenient training option for working professionals. Dr. Hurley and Sara Shumpert make learning easy. You can enjoy self-paced learning or join a class led by our experienced instructors.
Learn from entertaining videos. They’re bite-sized (1-10 minutes).

Practice what you’ve learned with interactive activities. We know it’s all about the real-world application.

Engage in peer discussions. We believe in creating valuable connections between our growing community of packaging professionals and like-minded learners.

Set your own pace. Lessons are available on-demand and can be accessed on any device, so you can get the complete experience even with a packed schedule.
• The Packaging Certificate to differentiate your resume.
• A LinkedIn certification to share your accomplishment.
• In-depth and applicable information on packaging materials, processes, and influences - course contents exceed the foundations presented within academic packaging curriculums.
• Feedback from experienced packaging engineers and designers.
• A sustainable perspective on package design and package development.
• Introductions to international events and companies to advance your career.
• Checklists and cheat sheets to keep your projects on time and under budget.
• Supplier databases to easily find a reliable partner for your next packaging project.
• Market research to identify new innovations and opportunities in the industry.
This course serves as an introduction to the packaging industry and provides the fundamental knowledge necessary for you to understand the packaging development process.

**Foundation Beginnings:** Why Packaging Matters, Evolution of Packaging, Industry Overview, Key Stakeholders, Careers in Packaging, Packaging Development Process, Sustainability’s Influence, Knowing Your Product First, Packaging Applications

**Wood:** Manufacturing, Packaging Types, Sustainability, Applications

**Paperboard:** Industry Overview, Manufacturing, Packaging Types, Sustainability, Impressive Paperboard Packaging Designs

**Corrugated:** Industry Overview and Trends, Manufacturing, Flute Sizes, Applications, Strength Factors, Testing, Linerboard Grades, Box Styles, Sustainability, Customizing Corrugated, Design Examples

**Glass:** Industry Overview, Manufacturing, Glass Packaging Types, Design Applications, Sustainability of Glass

**Metal:** Industry Overview, Manufacturing, Metal Packaging Types, Sustainability of Metal, Impressive Metal Packaging Designs

**Polymers:** Industry Overview, Fundamental Properties of Plastics, Manufacturing, Reaction Mechanisms, Machinery and Processes, Packaging Types, Innovative Designs, Sustainability of Plastics

**Printing:** Industry Overview, Print Processes, Inks for Package Printing, Designing for Print, Sustainable Print Practices

**Regulations:** Framework for Legal Requirements, Agencies, Code of Federal Regulations, Major Packaging Laws, Discussion

**Distribution:** Land, Air, Sea, Distribution Containers, Dunnage and Cushioning, Testing and Protocols

**Wrap Up:** Review and Assessment
This course provides you with a 360° view of the papermaking, converting, and paperboard packaging industry.

Paperboard Beginnings: Evolution of Paperboard, Industry Overview, Packaging Types, Glossary, Discussion

Paper Manufacturing: Virgin and Recycled Fibers, Pulping, Papermaking, Paper vs. Paperboard, Surface Coatings and Treatments


Paperboard Styles: Tubes, Trays, Multipacks, Alternatives, Design Inspiration Flipbook with 600 Dielines, Tube and Tray Selector Tools

Carton Design: Board Caliper Report of 51 FMCG products, Structural Design and Dielines, Finishing, Special Effects, Print Selector Strategy, Discussion

Procurement and Production: Ready for Order, Supplier Qualifications, Die Cutting and Making, Assembly, Supplier Database, Carton Cost Calculator

Wrap Up: Review and Assessment
CORRUGATED CONTAINERS
55 Micro-Lessons | 6 Hours

This course teaches you the science of engineering a corrugated container for any application.

**Corrugated Beginnings:** Overview of Corrugated Board, History, State of the Industry, Grades, Flute Types

**Production of Corrugated Fiberboard:** Integrateds, Independents, Papermaking Overview, Corrugated Manufacturing, Container Converting, Printing, Coatings and Surface Treatments

**Corrugated Properties and Testing:** Physical Properties, Porosity Properties, Surface Properties, Sustainability

**Performance Specifications:** RSC Minimization Model, Headspace, Introduction to Compressive Forces, Headspace Experiments, ECT/BCT Modeling Theory and Laboratory Applications

**Container Design:** Standard Container Styles, International Fiberboard Case Code Catalogue, Structural Design Softwares, Dieline Design, Printing and Finishing, Die Cutting, Supplier Directory

**Case Packaging and Unitization:** Packing and Sealing, Unitized Systems, Storage and Handling, Palletization Softwares

**Distribution Rules and Regulations:** Carrier Rules, Government/Association Regulations, Testing and Protocol

**Wrap Up:** Review and Assessment
This course teaches you the composition of commercial glass, its manufacturing process, and how to design the correct type of glass packaging for various applications.

**Glass Overview:** Interactive History, Industry Overview, Glass Packaging Essentials, Sustainability


**Glass Container Design:** Glass Container Styles, Finishes and Closures, Decorating and Labeling, Plastics vs. Glass, Glass Finish Drawings, Lightweighting, Design Innovations

**Procurement and Production:** Ready for Order, Glass Bottle Filling Process, Distribution, Glass Resource Locator

**Wrap Up:** Review and Assessment
From raw materials and processing to packaging design and development, learn the essentials of metal packaging in this online course.

**Metal Overview:** Timeline, Industry Report, Metal Packaging Basics, Sustainability, Glossary

**Metal Manufacturing:** Raw Materials and Refinement, Manufacturing, Thermal Processing and Treatments, Anatomy of a Can, Understanding BPA

**Metal Containers:** Aerosols, Beverage Cans, Films, Foils, Flexible Packaging, Tins, Bins, Trays, Gift Boxes, Submit a Package

**Metal Container Design:** Metal Closures, Decorating and Labeling, Can Dimensioning, Design Innovations

**Wrap Up:** Review and Assessment
Polymer Overview: Evolution of Plastics, Industry Overview & Key Industry Trends

Polymer Chemistry 101: Terminology, Interatomic and Intermolecular Forces

Production: Packaging Types, Blow Molding, Injection Molding, In-mold Labeling, Thermoforming, Converting, Laminating, Coating, Flexible Packaging Systems, Form Fill and Seal Systems, Testing Standards

Plastics in Packaging: Polymer Cheat Sheet (LLDPE, LDPE, HDPE, PP, PS, PVC, PET, PVDC, EVOH, NYLON, PC, PEN), Regulations, Adhesives, Closure Systems, Distribution Packaging, Polymer Design

Wrap Up: Review and Assessment
This course shows you how machinery is used in the manufacturing industry to produce and fill high volumes of quality packages.

Introduction: Industry Overview, Evolution of Technology, Glossary

Machinery 101: Levels of Packaging, Automation, Layout and Orientation, Measuring Speed


Increasing Production Efficiency: Changeovers, Creating a More Flexible Packaging Line, Package Design and Machinability

Wrap Up: Review and Assessment
This course teaches you the graphic design workflow and major print processes for bringing packaging to life.

**Printing Overview:** History of Printing, Industry Analysis, Package Printing Glossary

**Printing 101:** Color Theory, Artwork and Design, Ordering Process, Print Order Checklist, Inks, Prepress

**Printing Processes:** Letterpress, Flexography, Lithography, Gravure/Intaglio, Screen Printing, Digital Printing, Post Press, Print Selection Strategy, The Future of Print

**Printing Packaging:** General Labeling, Cartons & Containers, Flexible Packaging Systems, Metal and Glass, Plastic Packaging, Sustainability, Design Inspiration

**Wrap Up:** Review and Assessment
This course provides you with a framework for approaching packaging compliance in addition to resources of main regulatory agencies and laws shaping the current landscape.

**Packaging Regulations Landscape:** Classifying Laws, Complying with Laws, Understanding How Regulations Affect Packaging Decisions

**Framework for Legal Requirements:** Product-Dependent, Material-Dependent, Structural Requirements, Labeling Law, Environmental Law, Intellectual Property Law, Science and Fact Based, Regulatory Law, Federalism, Political

**Major Regulatory Agencies:** Food and Drug Administration (FDA), Environmental Protection Agency (EPA), U.S. Department of Agriculture (USDA), Code of Federal Regulations (CFR), American Society for Testing and Materials International (ASTM), International Organization for Standardization (ISO)

**U.S. Framework:** Compliance and Clearance, Decision Tree for Packaging Compliance, Responsibility of the Manufacturer, GRAS, Prior-Sanctioned Substances, Threshold of Regulation Exemptions, Food Contact Notification, Regulatory Implementations

**Global Framework:** Horizontal and Vertical Regulations, Contact Types, Conformity Certificates, Declaration of Compliance, Food Contact Symbols, Import/Export

**Industry-Specific Checklists and Cheat Sheets:** Food, Beverage, Health and Beauty, Household and Industrial

**Wrap up:** Review and Assessment
This course teaches you the factors that are important to successfully moving a product to its end destination with minimal damage.

Supply Chain Overview: Distribution Packaging Industry Infographic, Levels of Packaging, Stakeholders in the System

The Distribution Environment: Warehousing, Vibration, Shock, Compression, Temperature, Moisture, Time, Electrostatics

Transport Modes: Freight Carriers, LTL/FTL Ports, Parcel, Road, Air, Rail, Sea

Distribution Packaging Types: Pallets, Corrugated Shipping Containers, Non-Corrugated Shipping Containers, Returnable Containers, Fiber Drums, Wooden Boxes

Dunnage Systems: Loose Fill Packing, Wrapping Materials, Fabricated Packaging, Molded Foam, Wood and Fiber Dunnage, Suspension Packaging


Wrap Up: Review and Assessment
This course provides resources and tools that you can use to assess the sustainability of any packaging design across its complete lifecycle.

**Introduction:** Defining Sustainability, Environmental Impacts of Packaging in the Waste Stream, Energy Usage, The Circular Economy

**Sustainable Design Models:** Cradle to Grave, Cradle to Cradle, Life Cycle Assessment (ISO 14072:2014), Effective Recovering

**Sustainable Design Tools:** Overview of Resources, Comparative Analysis Software Tools, Package Smart, Production Technologies and Best Practices, Packaging Material Selection

**Environmental Labeling:** ISO and FTC standards, ISO 14020, Recyclability Claims, Beware of Greenwashing

**Sustainable Packaging Procedures:** Source Reduction, Recycled Content, Designing for Transport, Fair Labor and Trade Practices, Green Engineering, Resource Recovery

**Wrap Up:** Future of Sustainability, Review, Assessment
This course enables you to achieve the skills needed to tackle any packaging design project.

**Introduction:** Defining Packaging Design, Professional Roles and Functions, Packaging Design Workflow, Glossary of Design Terms

**Branding Basics:** Defining Branding, Color Theory, Typography, Branding and Logo Workshop, Brand Guidelines and Stylesheets

**Starting a Project:** Get Off on the Right Foot, Team Building, RFPs and Proposals, Project Management and Timelines, Supply and Distribution Maps, Research and Insights, Category and Planogram Audit, How to Create a Package Design Brief, Create Your Own Brief

**Package Development:** Designing Your Package, Design Principles and Considerations, Brainstorming, Ideation Selection, Materials and Structure Workshop, Primary Display Panel, Visual Design Workshop, Legal and Regulatory Requirements, Final Considerations and Digital Proof

**Design Refinement:** Let’s Refine That Design, Prototyping, Sustainability Considerations, Qualitative Research, Quantitative Research, Survey Basics, Eye Tracking 101

**Production Prep:** Ready for Production, Final Assets, Package Specification Process, Production, Preflight Checklist

**Wrap Up:** Review and Assessment
The Certificate of Packaging is a 12-course online program that teaches the materials, processes, and influences shaping the advancement of the industry.

From design conception to production and end-of-life, learn how to speak the language of packaging and utilize it as a key-differentiator for you and your company.

The courses provide relevant and comprehensive education from an exclusive license of a professional packaging curriculum developed at Clemson University.

You will graduate with knowledge, tools, and skills to be an influential professional in the packaging field.

Tuition:
Single Courses
$399

The Certificate of Packaging
(All 12 Courses)
$3,999
Want to advance in this growing industry?
Invest in your professional development by enrolling at PackagingSchool.com where you can start learning immediately or join an upcoming online class!

Questions?
We’d love to hear from you.

📞 864-986-3033
✉️ Info@PackagingSchool.com
“I joined because I love what I do as a Packaging Engineer. The Packaging School gives individuals the balance of utilizing his/her spare time while working full-time. I have recommended the program to colleagues and have boasted about it to upper management.”

TiUnna Langley
Veritiv Corporation

“I enrolled to establish the basic fundamentals of packaging materials and processes to allow us to better serve our customers in these areas and speak intelligently to our vendors when requesting assistance.”

Vince Hayden
American Box Company

“My educational background was in Landscape Architecture, but somehow I found myself in packaging... this is going to be a huge leap forward for me in my professional career.”

Matthew Moritz
GreenChef.com

“Not only is the curriculum sourced from a reputable university but the content is ideal for what I need to know at my job. If I have a question or I want to explore an idea, I just log in at my desk and start looking for answers.”

Joe Ogden
Nutrisystem