

MBAA Brewery Packaging Technology Course

April 24–May 6, 2015 • Madison, Wisconsin

Tentative as of 3/31/2016

MBAA Technical Director: Mark Sammartino, MBAA

Course Director: Kevin Finger, AB Fairfield (retired)

Sunday, April 24

All day Students pick up course information packets when checking in at the front desk.
6:15 p.m. **Reception**—Welcome Gathering for Students and Faculty
Lowell Center Main Floor Reception Area
7:00 p.m. **Dinner and Orientation**—Lowell Center Dining Hall (Casual Attire)
MBAA Technical Director, Course Director, & Jon Roll, UW Madison

Monday, April 25

8:00 a.m. – 8:30 a.m. **Classes at the Pyle Center, Room 335**
Class Introduction, Case Study Team Assignments
MBAA Technical Director & Course Director
8:30 a.m. – 9:45 a.m. **PET Bottles for Beer Packaging**
Frank Embs, Indorama Ventures
10:00 a.m. – 12:00 p.m. **Glass Bottle Manufacturing and Quality Control**
Bob Martini, Owens-Illinois Glass
12:00 p.m. – 1:00 p.m. Lunch at the Pyle Center
1:00 p.m. – 2:15 p.m. **Two-Piece Aluminum Can and End Manufacturing**
Bill Forsythe, Canning Technology, Inc.
2:30 p.m. – 4:30 p.m. **Can Double-Seam Technology**
Bill Forsythe, Canning Technology, Inc.
4:45 p.m. – 5:45 p.m. **Case Packing and Uncasing**
Michael Woehl, Standard-Knapp, Inc.

Tuesday, April 26

8:00 a.m. – 12:00 p.m. **Classes at the Pyle Center, Room 335**
Beer Filling Technology
Randy Dillman, KHS, USA
12:00 p.m. – 1:00 p.m. Lunch at the Pyle Center
1:00 p.m. – 2:00 p.m. **Microfiltration of Beer**
Conor O'Hara, 3M
2:15 p.m. – 3:45 p.m. **Small Scale Packaging Systems**
Bill Rose, Cask Brewing Systems
4:00 p.m. – 5:15 p.m. **Bottle Crown Manufacturing and Crowning Operations**
Juan Carlos Gomez, Fabricas (Mexico)

Wednesday, April 27

8:00 a.m. – 10:00 a.m. **Classes at the Pyle Center, Room 335**
Single-Valve Keg Packaging
Andy Brewer, Petainer Manufacturing USA
10:15 a.m. – 12:00 p.m. **Bottle Labels**
Mark Glendenning, Inland Label
12:00 p.m. – 1:00 p.m. Lunch at the Pyle Center
1:00 p.m. – 3:30 p.m. **Labeling Operations and Troubleshooting**
Frank Kaczmariski, Krones, Inc.
3:45 p.m. – 5:00 p.m. **Package Inspection in the Brewing Industry**
Jeff DeVoy, Heuft, USA

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Thursday, April 28

7:30 a.m.
7:30 a.m. – 9:15 a.m.
9:30 a.m. – 11:30 p.m.
11:45 a.m. – 1:00 p.m.
1:15 p.m. – 1:45 p.m.
2:00 p.m. – 4:00 p.m.
4:00 p.m. – 5:00 p.m.
5:00 p.m. – 5:30 p.m.
5:30 p.m. – 7:15 p.m.
7:30 p.m.

Field Trip

Bus Departs from the Lowell Center for Kronos, Inc.
Bus Trip to Kronos, Inc.

Tour of Kronos, Inc.

Lunch at Culvers in Franklin, WI
Bus trip to MillerCoors Milwaukee Brewery Packaging Center
Tour of the MillerCoors Milwaukee Brewery Packaging Center
Refreshments and Q&A Discussion at MillerCoors Stables
Shopping at the Miller Store
Bus trip back to Lowell Center
Dinner provided at Lowell Center

Friday, April 29

8:00 a.m. – 12:00 p.m.

12:00 p.m. – 1:00 p.m.
1:00 p.m. – 5:00 p.m.

Classes at the Pyle Center, Room 335

General Principles for Packaging Line Design and Control

Robert Nantel, Gebo Cermex Canada Inc.

Lunch at the Pyle Center

Package Department Maintenance Best Practices

Greg Harris & Michael Du Mont, MillerCoors

Saturday, April 30

9:00 a.m. – 12:00 p.m.

12:00 p.m. – 1:00 p.m.
1:00 p.m. – 3:00 p.m.

Class at the Pyle Center, Room 335

Packaging Microbiology

William Maca, HWM Yeast Solutions LLC

Lunch at the Pyle Center

Uncasers and Drop Packer Machinery

Doug O'Brien, Hartness International

Sunday, May 1

Free Day! No Scheduled Activities

Monday, May 2

8:00 a.m. – 10:30 a.m.

10:45 p.m. – 12:00 p.m.

12:00 p.m. – 1:00 p.m.
1:00 p.m. – 5:00 p.m.

5:15 p.m. – 7:00 p.m.

Classes at the Pyle Center, Room 335

Bottle Washing, Tunnel Pasteurization/Pasteurizer Maintenance

Carlos Alarcon & Dave Duff, Barry-Wehmiller

Palletizing & Depalletizing Operations

Dave Meyer, Barry-Wehmiller

Lunch at the Pyle Center

Principles of Packaging Department Cleaning and Water Treatment

Jim Diamantis & Barry Owings, Zee Company

Tour of the UW Pilot Brewery (optional)

Jon Roll, UW Madison

Tuesday, May 3

8:00 a.m. – 9:45 a.m.

10:00 a.m. – 11:00 a.m.

11:00 a.m. – 12:00 p.m.
12:00 p.m. – 12:15 p.m.
12:15 p.m. – 1:15 p.m.
1:30 p.m. – 2:30 p.m.

Classes at the Pyle Center, Room 335

Overview of Multipack Paperboard Production and Multipackaging Machinery

Graham Hand, Graphic Packaging International

Operations Management Overview

Kevin Finger, AB Fairfield (retired)

Lunch at the Pyle Center

Load on the Bus at the Pyle Center

Bus Trip to the New Glarus Brewery in New Glarus, Wisconsin

Tour of the New Glarus Brewery

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2:30 p.m. – 3:30 p.m.

Refreshments & Networking

3:45 p.m. – 4:45 p.m.

Return Trip to the Lowell Center

Wednesday, May 4

8:00 a.m. – 10:00 a.m.

Classes at the Pyle Center, Room 335

Conveyors—Types, Uses, Maintenance, and Troubleshooting

Lauren Forseth, Rexnord

10:15 a.m. – 12:00 p.m.

Maintaining Product Quality and Uniformity

Gary Nicholas, Surly Brewing Co.

12:00 p.m. – 1:00 p.m.

Lunch at the Pyle Center & Class Photo!

1:00 p.m. – 3:00 p.m.

Modern Package Coding Technology

Brian Burke, Videojet Technologies, Inc.

3:15 p.m. – 5:15 p.m.

Packaging Quality Assurance

Mike Lachut & Joe Bustos, North American Breweries

Thursday, May 5

8:00 a.m. – 12:00 p.m.

Classes at the Pyle Center, Room 335

Student Team Presentations to the Class

Team 1, Team 2, Team 3, Team 4, Team 5, Team 6

Packaging Case Study Review Panel

Panel members: Scott Noll (New Glarus Brewing Co.), Mike Lachut (North American Breweries), Joe Bustos (North American Breweries), Gary Jansen (CP Kelco), Kevin Finger (Course Director), & Mark Sammartino (Moderator)

12:00 p.m. – 1:00 p.m.

Lunch at the Pyle Center

1:00 p.m. – 2:30 p.m.

Food Safety and HACCP

Gary Jansen, CP Kelco

2:30 p.m. – 2:45 p.m.

UPS Service at the Pyle Center

2:45 p.m. – 5:00 p.m.

Beer Flavor Training and Effects of Packaging Materials on Beer Flavor

Roy Desrochers, GEI Consultants, Inc.

6:30 p.m. – 7:00 p.m.

Reception—Beer Room, Lowell Center, Room 118

7:00 p.m.

Dinner—AT&T Lounge at Pyle Center (Informal Attire)

Closing Remarks and Awarding of Certificates

Friday, May 6

6:30 a.m. – 9:00 a.m.

Breakfast and Hotel Check Out by 11:00 a.m.

(Note: The Lowell Center Will Store Your Luggage If You Need to Check Out Early)

9:00 a.m. – 11:00 a.m.

IBD General Certificate (Packaging) Exam—Pyle Center, Room TBA