



UNITED WE BREW

2022 Brewery Maintenance Systems Course

July 21, 2022 – September 15, 2022

Course Director: John Blystone

All times are shown in Central Daylight Time (CDT)

Schedule subject to change

Virtual

Orientation Session (Thursday, July 21, 3:00 - 4:00 pm CDT)

Week 1 (July 21 - July 28)

Independent Learning:

- Safety: LOTO, Confined Spaces, HazCom, PIT, PPE – *Mark Jaeggi, Sabhailteacht Solutions, LLC*
- SOPs – *Larry Posluszny, Accel Performance Solutions, LLC*
- Electrical Safety -- *John Blystone, Great Lakes Brewing Co.*

Live Zoom Discussion: Thursday, July 28 (1:00 -4:00 CDT), Happy Hour (Optional, 4:00- 5:00)

Week 2 (July 29- August 4)

Independent Learning:

- Supply water basics – *Rick Brundage & Jack Bland, ChemTreat, Inc.*
- Sanitary Pumps – *Randy Verges, Fristam Pumps USA*
- Glycol Systems – *Dan Stromberg, GF Piping Systems*
- Steam – *Joe Singerling, Fulton Steam*

Live Zoom Discussion: Thursday, August 4 (1:00 -4:00 pm CDT), Happy Hour (Optional, 4:00- 5:00)

Week 3 (August 5 – August 11)

Independent Learning:

- Carbon Dioxide (CO₂) Systems – *Gabriel Dominguez, Pentair*
- Compressed Air – *John Molnar, Rogers Machinery*
- Sanitation & Clean in Place – *Oliver Meinhold, Zee Loeffler*
- Stainless Steel Passivation – *Oliver Meinhold, Zee Loeffler*

Live Zoom Discussion: Thursday, August 11 (1:00 -4:00 CDT), Happy Hour (Optional, 4:00- 5:00)

Week 4 (August 12 – August 18)

Independent Learning:

- Floors and Drains – *Randy Butera, Sika Corp*
- Wastewater – *Jeff VanVoorhiss, Symbiont, A Mead & Hunt Company*
- Maintenance Software – *Chris Hyberger, New Glarus*

Live Zoom Discussion: Thursday, August 18 (1:00 -4:00 pm CDT), Happy Hour (Optional, 4:00- 5:00)

Week 5 (August 19 – August 25)

Independent Learning:

- PID Controllers – *Bob Rice, Control Station Inc.*
- Brewery Automation – *Ryan Hutchinson, Stone Technologies*
- Valves – *Charley Phipps, Pentair*
- Electrical Power Distribution – *Kelly White*

Live Zoom Discussion: Thursday, August 25 (1:00 -4:00 pm CDT), Happy Hour (Optional, 4:00- 5:00)

Week 6 (August 26 – September 1)

Independent Learning:

- Instrumentation -- *TBD*
- Stainless Steel and Welding -- *TBD*
- Project Management, Design Modifications & Bid Review – *Pat Buchana*

Live Zoom Discussion: Thursday, September 1 (1:00 -4:00 pm CDT), Happy Hour (Optional, 4:00- 5:00)

In-Person at The University of Wisconsin, Madison

Sunday, September 11

- Opening Banquet (6:00 pm)

Monday, September 12

- Safety & SOPs
- Introduce student projects

Tuesday, September 13

- Pumps, Valves
- Facility tour: Fristham Pumps USA

Wednesday, September 14

- Utilities: CO₂, Compressed Air, Steam, Electrical Power Distribution

Thursday, September 15

- Brewery Tour (TBD)
- Project Presentations & Discussion
- Closing Banquet