Come see how the pieces fit together!
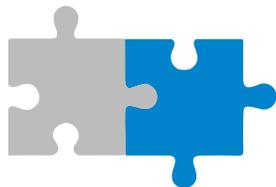
2022 Basic Thermal Processing Course

April 4-8, 2022 | Madera, CA

The course will be held at the JBT Madera, CA Process Technologies Laboratory and includes both classroom instruction and hands-on pilot plant experience.

Contact:

Karen Brown (559) 661-3345 | Karen.Brown@jbtc.com or
Cristin Williams (559) 661-3286 | CristinD.Williams@jbtc.com for more information.

Microbiology and Sterilization Concepts

Thermobacteriology
Canned Food Spoilage
Heat Resistance (D, z, and Fo values)

Retorts and Temperature Distribution

Heat Transfer Concepts
Retort Systems Overview
Temperature Distribution
TC placement, Data Evaluation
Calibration, Instrumentation

Heat Penetration and Critical Factors

Product and Retort-related Critical Factors
HP Strategies for Different Retorts
Calibration, Instrumentation
TC placement, Data Evaluation

Process Calculation Methods

General Method
Ball Formula Method
    Heating Factor Development
    Process Calculation
    Lethality Calculation
NumeriCAL™
    Overview of this advanced Method

Process Deviations

Approach, consideration and evaluation of thermal process deviations.

Regulatory Overview

Location:

JBT
Process Technologies Laboratory
2300 Industrial Avenue
Madera, CA 93637

Dates:

April 4-8, 2022

Course Instructors:

JBT is an FDA and USDA recognized thermal process authority. Our staff has over 180 years of collective experience. Staff teaching this course includes:
Karen Brown, Senior Research Engineer
Terry Heyliger, Thermal Processing Consultant

Course Tuition:

$3,500 per student.
Register before March 1st, 2022 and receive a $500 reduction! Lunches, refreshments and course materials provided.

Registration:

Contact: Karen Brown (559) 661-3345
Karen.Brown@jbtc.com or
Cristin Williams (559) 661-3286
CristinD.Williams@jbtc.com

This course includes hands-on pilot plant experience

Review HP procedures and then, with your team, design and conduct a complete heat penetration study in The Process Technologies Laboratory Pilot Plant. Instrument containers and collect data. Evaluate data and then compare results to those of other teams.