

# McGinnis Institute of Beet Sugar Technology

## Sugar End – 2023 First Week Schedule

### Monday, July 10

Hilton Garden Inn, Fort Collins, Colorado

8:00 Set up classroom

4:30 pm – 6:00 pm = Student Check-In

### Tuesday, July 11

7:15 = student check-in for late arrivals  
8:00 Orientation by Bill Gough  
8:45 SX-1 Opening Lecture by Campbell Shuford  
10:00 Break  
10:15 S-1 Evaporators and Steam Economy  
by Scott Hyer  
11:00 Break  
11:15 S-1 Evaporators and Steam Economy  
by Scott Hyer  
Noon Lunch  
1:00 S-1 Evaporators and Steam Economy  
by Scott Hyer  
2:30 Break  
2:45 S-1 Evaporators and Steam Economy  
by Scott Hyer  
4:30 Break  
4:45 Future Factory Project  
5:00 End

### Wednesday, July 12

8:00 S-1 Exam and Discussion  
9:00 Break  
9:15 S-2 Crystal Formation and Growth  
by Kevin Romzek  
10:30 Break  
10:45 S-2 Crystal Formation and Growth  
by Kevin Romzek  
Noon Lunch  
1:00 S-2 Crystal Formation and Growth  
by Kevin Romzek  
2:15 Break  
2:45 S-2 Crystal Formation and Growth  
by Kevin Romzek  
3:45 Break  
4:00 Future Factory Project  
4:15 End

### Thursday, July 13

8:00 S-2 Exam and Discussion  
9:00 Break  
9:15 S-3 Crystallization, Process and Systems  
by Chris Rhoten  
10:30 Break  
10:45 S-3 Crystallization, Process and Systems  
by Chris Rhoten  
Noon Lunch  
1:00 S-3 Crystallization, Process and Systems  
by Chris Rhoten  
2:15 Break  
2:30 S-3 Crystallization, Process and Systems  
by Chris Rhoten  
4:00 Break  
4:15 Future Factory Project  
4:30 End

### Friday, July 14

8:00 S-3 Exam and Discussion  
9:00 Break  
9:15 S-4 Centrifugals and Their Operations  
by Ray Bode  
10:30 Break  
10:45 S-4 Centrifugals and Their Operations  
by Ray Bode  
Noon Lunch  
1:00 S-5 The Control Laboratory by Rich Reisig  
2:30 Break  
2:45 S-5 The Control Laboratory by Rich Reisig  
4:00 Break  
4:15 Future Factory Project  
4:30 End

### Saturday, July 15

No Events Scheduled

### Sunday, July 16

No Events Scheduled

# McGinnis Institute of Beet Sugar Technology

## Sugar End – 2023 Second Week Schedule

### Monday, July 17

**8:00** S-4 Exam and Discussion  
**8:40** S-5 Exam and Discussion  
**9:15** **Break**  
**9:30** S-7 Basic Control Systems by Gerald Sorenson  
**10:45** **Break**  
**11:00** S-7 Basic Control Systems by Gerald Sorenson  
**Noon** **Lunch**  
**1:00** S-7 Basic Control Systems by Gerald Sorenson  
**2:15** **Break**  
**2:45** S-7 Basic Control Systems by Gerald Sorenson  
**3:30** **Break**  
**4:45** **Future Factory Project**  
**4:00** **End**

### Tuesday, July 18

**8:00** S-7 Basic Control Systems by Gerald Sorenson  
**9:15** **Break**  
**9:30** S-7 Basic Control Systems by Gerald Sorenson  
**10:45** **Break**  
**11:00** S-7 Basic Control Systems by Gerald Sorenson  
**Noon** **Lunch**  
**1:00** S-8 Molasses Treatment Processes by Vadim Kochergin  
**2:15** **Break**  
**2:30** S-8 Molasses Treatment Processes by Vadim Kochergin  
**3:45** **Break**  
**4:00** **Future Factory Project**  
**4:15** **End**

### Wednesday, July 19

**8:00** **S-7 Exam and Discussion**  
**8:45** **S-8 Exam and Discussion**  
**9:30** **Break**  
**9:45** S-6 Fundamentals of Sucrose Recovery Optim. by Nick Klein  
**10:45** **Break**  
**11:00** S-6 Fundamentals of Sucrose Recovery Optim. by Nick Klein  
**Noon** **Lunch**  
**1:00** S-6 Fundamentals of Sucrose Recovery Optim. by Nick Klein  
**2:15** **Break**  
**2:30** S-6 Fundamentals of Sucrose Recovery Optim. by Nick Klein  
**3:30** **Future Factory Project**  
**4:00** **End**

### Thursday, July 20

**8:00** S-6 Exam and Discussion  
**8:45** **Break**  
**9:00** S-9 Granulation, Packaging, Screening and Storage, by Kelly Malone  
**10:00** **Break**  
**10:15** S-9 Granulation, Packaging, Screening and Storage, by Kelly Malone  
**11:30** **Future Factory Project Prep/Completion**  
**Noon** **Lunch**  
**1:00** S-9 Granulation, Packaging, Screening and Storage, by Kelly Malone  
**2:45** **Break**  
**3:00** **Future Factory Project - PRESENTATIONS**  
**4:30** **End**  
**6:00** **Graduation Dinner**

### Friday, July 21

**7:00** S-9 Exam and Discussion  
**7:45** **Break**  
**8:00** S-10 Sugar Quality and Food Safety by Kelly Malone  
**9:30** **Break**  
**9:45** S-10 Sugar Quality and Food Safety by Kelly Malone  
**11:00** **End of 2023 Sugar End Session**