

May 13-17, 2019

Lab Bench to Pilot Plant Workshop

A week-long, hands-on, chemical process scale-up workshop

The workshop will familiarize you with the transitional issues encountered in moving a chemical process from the laboratory bench to a chemical plant.

The workshop includes:

- chemical plant equipment,
- chemical process batch record preparation,
- environmental regulations and waste management,
- chemical testing of raw materials, intermediates, and products,
- process safety management (“PSM”; see 29 CFR 1910.119),
- scale-up process economics, and
- case studies and “war stories.”



You will have the opportunity to learn from the institute’s chemical industry veterans!

More information or to register <https://bioeconomy.msu.edu/event/workshop-2019/>

Noncredit Option: \$695; participants will be provided instructions to pay with a credit card; lunch included each day; transportation not included.

Credit Option: current Michigan State University students may register for credit: **CEM 890, Section 701**

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