

# Course Agenda

## McMaster Certificate in Carbon Mitigation

McMaster Certificates of Completion



**ENGINEERING**  
W Booth School of Engineering  
Practice and Technology

Developing strategies to achieve measurable carbon reduction

### Presentations from:



#### David Wheeler

Principal, Sustainable Transitions  
Former Chair of Business & Sustainability,  
York University



#### Greg Zilberbrant

Principal, JBI Environmental Consulting  
Program Lead, Circular Economy & Carbon Mitigation,  
McMaster University

#### Rachel Shin

Senior Analyst,  
Strategy, Research & Stakeholder Engagement  
CMC Research Institutes



#### Michael Berends

Managing Director, Origination,  
Clear Blue Markets



#### Paul Rack

President,  
Veriform and Caliber Tech



Over 3 days, you'll participate in...

### Presentations

#### Regulatory Systems

- Overview of existing current mechanisms from taxation to cap-and-trade
- Understanding the Canadian landscape across provincial jurisdictions

#### Carbon Offset Markets

- Strategic approach to carbon mitigation through offset markets
- Case studies of reduction projects through offsetting and insetting

#### Carbon Capture Utilization and Storage

- Carbon Capture Utilization and Storage (CCUS) in a Canadian context
- Technology advancements and commercial readiness of CCUS

#### Leadership in a Carbon-Restricted Economy

- Fundamentals of leadership in a carbon-restricted economy
- Case studies in leadership in a carbon-restricted economy

### Workshops

#### Measuring for Carbon Reductions

- Identifying measurement strategies in early stages of project design
- Case evaluation from design to operation of carbon mitigation projects

#### Lifecycle Assessment Process

- Fundamentals of lifecycle assessment for effective carbon management
- Case studies of effective LCA applications in leading organizations

#### Carbon Footprinting

- Effective and efficient development of an organizational carbon footprint
- Strategic utilization of mitigation tools, offsets, insets, and CCUS

#### Implementing Carbon Strategies

- Mapping carbon mitigation and economic factors for strategic decisions
- Developing and communicating a target-based climate change strategy

### Location & Date

Virtual Classroom

September 16-18, 2020