

SUSTAINABLE ENERGY DEVELOPMENT PROGRAM

UNIVERSITY OF HOUSTON MICRO-CREDENTIALING PROGRAM

Info Session

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SUSTAINABLE ENERGY DEVELOPMENT PROGRAM



Charles McConnell
Energy Center Officer
*Center for Carbon
Management in Energy,
University of Houston*

SUSTAINABLE ENERGY DEVELOPMENT PROGRAM

Learn more about the Sustainable Energy
Development Program:

<https://uh.edu/uh-energy/sed-program/>

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Welcome and Introduction

Course Outline for the 4 weeks:

- 2 Hours per day – 2 days per week
- Quiz after each lecture – 3 lectures/day
- After the end of each week a take home quiz – 80 % requirement to progress to the next week
- These 3 take home quizzes and the final on day 8 (week 4) to earn Badge #1

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Course Objectives

- **The Fundamentals of the Energy Transition**
- **Foundational Understanding**
 - **Systems-Level Decision-making**
 - **Markets and Decision-makers**
 - **Sustainability**
 - **Sustainable Development in the Context of Global Climate Change**

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Engagement Will Maximize Your Learning Experience

- Listen and Understand
- Question and Participate
- Think about how this applies to you

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Day 1 - Key Learnings:

- Enterprises That Make Decisions and the Energy Trilemma
- The origins of energy – sustainability – and complexity of sustainable development
- Major Energy Markets-
 - Oil and Gas: Fuels and Feedstock
 - Chemicals & Materials: Petrochemicals, Bio-derived
 - Electric Power: Fossil, Renewable & Nuclear
 - Alternate & Renewable Fuels and Feedstock

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Questions?