



Course Testimonials

"This was an awesome opportunity to help me become more aware of environmental issues, new technologies and hands-on lab ideas. All of these will benefit my students in the long run. The faculty was amazing as well!"

CSI: Climate Status Investigation attendee.

"This is by far the best continuing education opportunity I have been to. Instructors were personable and knowledgeable. Information was clear and well thought out."

CSI: Climate Status Investigation attendee.

"This summer school was fantastic. It presented a good overview of the whole CCS issue and provided a very enriching experience. As a technical person, it was really interesting to see the complexity of CCS."

IEAGHG International CCS Summer School Programme attendee.

Our mission.

Our mission is to create a knowledgeable and inspired workforce with broad understanding of energy issues and an in-depth knowledge of technical concepts associated with CCS through timely quality and value-driven educational programs and products.



For more information about STEP educational programs visit www.sequestration.org/step.

To join our mailing list contact katchley@illinois.edu or call 217-244-9527.

This material is based upon work supported by the U.S. Department of Energy under Award Number DE-FE0002462 and the Illinois Department of Commerce and Economic Opportunity #09-484002.



STEP is a program of the Advanced Energy Technology Initiative, within the Prairie Research Institute — University of Illinois.

SEQUESTRATION TRAINING AND EDUCATION PROGRAM

Pioneering change. From the ground up.

Around the world, research is being conducted on new energy solutions that will help decrease our reliance on carbon-based fuels. Science is taking the next logical step, pursuing a wide range of interim solutions designed to create cleaner-burning fuels and reduce the global impact of greenhouse gases released into the environment.



At the Sequestration Training and Education Program (STEP), we are part of this vital initiative, transferring Carbon Capture and Sequestration (CCS) technology from the edge of science to the heart of a growing industry and equipping today's energy professionals with the steps they need to mitigate global environmental change.

Building on our strengths.

STEP is uniquely positioned as a leader within the field of CCS education and training. Working with the Illinois State Geological Survey, Advanced Energy Technology Initiative at the University of Illinois and the Midwest Geological Sequestration Consortium (MGSC), STEP builds programs based on more than ten years of active CCS research. Our partnership and collaboration with private companies, government, research organizations, and regional geologic surveys provides the foundation for creating specialized knowledge sharing and capacity building programs. STEP is a bridge between scientific research and education developed to expand and share valuable insights learned in the Illinois Basin with the world. Join STEP in training the energy workforce of tomorrow.



Where research meets the real world.

STEP educational programs are built on the solid foundation of research being conducted through the ISGS and MGSC. This unique research collaboration allows us to create knowledge sharing and capacity building programs that draw on CCS experts to develop conferences, short courses, brown bag lectures and workshops to meet diverse education, knowledge sharing, and capacity building training needs. Past training activities have included programs for all levels of attendees interested in CCS. Some of the topics include:

- CCS project development and engineering
- CCS project planning and management
- CCS communication, regulatory and legal frameworks
- Climate change and impact to environment

Always moving forward.

To prepare students for the future, we track the latest trends in the energy field, energy technology, and climate policy, translating those developments into our courses, curricula, conferences, and workshops. STEP places a strong emphasis on developing practical experience through courses based on real projects with real issues. This translates into a wide range of educational products, including webinars, conferences, workshops and customized short courses.

The application of innovation.

Ultimately, our goal is to educate and train a skilled workforce to participate in the new energy economy in general and CCS specifically. STEP programs are designed to inspire and equip future generations to solve complex, integrated energy and climate problems on both a global and local scale. Our programs include hands-on learning experiences and knowledge sharing opportunities to understand the technical, political and societal concepts associated with CCS.

