

2024–2025 Course Calendar CCUS Education and Training

CO2CRC is a global leader in carbon capture, utilisation, and storage (CCUS) research and your top choice for CCUS education. Our comprehensive programs cover a wide range of topics, including technical, techno-economic, regulatory, project development and operations.

2024

2025

4 Dec **CCUS Fundamentals** Melbourne

4 Jun **CCUS Fundamentals** Online

4 Jul **CCS Education Course for Regulators, Government Policymakers, and Non-Technical Professionals** Online

8 Oct **CCUS Fundamentals** Online

5–7 Nov **CCUS Principles, Practices and Applications** Melbourne

17 Nov **CCS Education Course for Regulators, Government Policymakers, and Non-Technical Professionals** Online

There is a
special rate
for CO2CRC
Members.

Tailor-made CCUS courses

CO2CRC has an in-depth technical knowledge of the whole CCUS value chain. If you have a particular training need on a certain aspect of CCUS, contact Max to discuss your training requirements.



Learn more and register co2crc.com.au/courses



Contact Dr Max Watson
+61 3 8595 9600 or
Max.Watson@co2crc.com.au

Course overviews

CCUS Fundamentals Course

Learn the fundamentals of capture and geological storage of CO₂. Understand fossil fuel-based energy generation, production and separation of CO₂-rich natural gas, as well as cement, ammonia, iron and steel production, which are a major source of anthropogenic CO₂ emissions into the atmosphere.

CCUS Principles, Practices and Applications

This comprehensive three-day course delves into the intricate realm of CCUS. You will gain insights into the urgent need for emission reduction measures, particularly in the context of fossil fuel usage and industrial processes. It also explores the principles underlying geological storage, methodologies for site identification, and various CO₂ capture technologies employed in stationary sources.

CCUS Technoeconomics

Explore the economics behind CCUS and the fundamental principles of CCUS. You will gain a comprehensive understanding of the economic viability of CCUS projects, unique aspects of CCUS cost analysis and the distinction between the cost of CO₂ capture and the cost of CO₂ reduction by explaining the integrated chain of CCUS with a thorough analysis of CO₂ capture, transport and storage.

Advanced CO₂ Storage Course and Field Trip

Expand your understanding of the intricacies and challenges in CO₂ storage and how to effectively develop and manage CO₂ storage sites with the most comprehensive CO₂ storage course we offer, including field experience at CO₂CRC's Otway International Test Centre (OITC). You will also visit the nearby 12 Apostles.

CCS Education Course for Regulators, Government Policymakers, and Non-Technical Professionals

Aimed at those working within or around the CCS ecosystem, with an understanding of the essential elements of CCS. It will explore a range of subjects including the fundamentals of CCS, common misconceptions surrounding CCS, the complexities and opportunities specific to CCS and an exploration of CCS projects around Australia, both onshore and offshore.

CO₂ Storage Course

Learn about the principles behind geological storage of CO₂ and the location of suitable sites, the behaviour of CO₂ in storage, operational issues, monitoring and verification, and CO₂ projects around the world.

Meet your CCUS trainers

Dr Geoff O'Brien

Chief Scientist

Geoff has a PhD in marine geochemistry and sedimentology and has over 35 years' experience in the marine research, petroleum and CCS sectors. He has worked in and for the petroleum industry as a petroleum systems and CCS technical specialist.



Dr Max Watson

Senior Manager — Technology Development

Max has over 24 years of experience in developing industry-relevant, low-emission technologies, including CCS and hydrogen storage. He's been a technical consultant and reviewer for several prominent CO₂ storage projects, including CarbonNet, Cliff Head, Moomba CCS and Barrow Island.



Dr Simone De Morton

Techno Regulatory Advisor

Simone is a versatile Geoscience professional with eight years of experience spanning various sectors and holds a PhD in Geology along with a Bachelor of Science (Honours) degree.



Dr Jai Kant Pandit

Senior Engineer, Capture

Jai has extensive experience and a wide range of interests in sustainability and emission reduction, including CO₂ capture, utilisation, hydrogen energy, and power generation.



Genna Petho

Reservoir Engineer

Genna has experience across multiple sectors in the oil and gas industry at major Australian operators, including operations of offshore Australian gas and oil fields, well planning and execution, and dynamic reservoir modelling.



Dr Hadi Nourollah

Senior Geophysicist

Hadi is the science lead for the shallow fault project. He has worked for national oil companies in the Middle East, operators in SE Asia and directed an international consultancy in Australia for 10 years prior to joining CO₂CRC.



Laura Gomez

Senior Geoscientist

Laura has over 10 years of experience in the oil and gas industry, in spatial data analysis, reservoir characterisation from clastic to carbonates and shale formations, 3D modelling, and building geological models for carbon storage in saline formations.



Emeritus Professor John Kaldi

CO₂CRC Board Member

John is a Professor of Petroleum Geology and Engineering at the Australian School of Petroleum, University of Adelaide, and holds the South Australia State Chair in Carbon Capture and Storage (CCS).



What our attendees say

"The course provided a clear, concise understanding of the technologies and strategies used for carbon capture, utilisation and storage. The instructors were knowledgeable, breaking down complex concepts into digestible parts. The course offered a balanced mix of theory and real-world examples, making it practical and applicable. I now feel more confident in my understanding of CCUS and its critical role in combating climate change." — Louie Li, CarbonNet.

"On behalf of Cooper Energy, I commend CO₂CRC for their excellent CCUS course. It provided a comprehensive overview of the opportunities, complexities and challenges across all aspects the carbon capture, utilisation and storage sectors." — James Clarke, Cooper Energy