

2025 NTA Program

# NAUTILUS TRAINING ALLIANCE

CAPABILITY DEVELOPMENT  
FOR THE ENERGY SECTOR



# DIVERSIFYING OUR PORTFOLIO TO SUPPORT THE DRIVE TO NET-ZERO CARBON...

Our portfolio, offered at all experience levels, covers the entire breadth and depth of the energy mix. Our faculty of independent expert instructors come from a wide variety of technical background and regional experience that allows us to bring world class expertise to address your skills and training requirements.

Choose from the wide range of courses, in various subject areas and disciplines, learn best practices, and gain hands-on experience that will improve performance.



Oil and Gas



Carbon Management  
and Gas Transition



Sustainable Heat -  
Geothermal



Environmental, Social  
and Governance (ESG)

## Delivered virtually, in the field, in the classroom and by self-paced e-learning



### Virtual

Virtual instructor led courses timetabled to provide a globally accessible program.



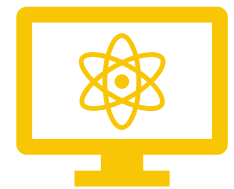
### Field

Field courses in the US, UK, Ireland, Spain, Greece, France and South Africa.



### Classroom

Courses including core workshops and workstation based courses.



### Self-paced

Flexible, competency-based on-line courses taken at individual learners own pace.



## Nautilus Training Alliance

*A program of competency-based scheduled training courses for energy professionals focusing on core skills development and current challenges facing the energy industry.*

**Delivering ‘best in class’ field, classroom and online courses** - Led by instructors recognised as world class subject matter experts in their field, including industry leaders, professors and distinguished lecturers.

**Modern user environment** - Through the Learning Hub, our custom online learning platform, we have developed a modular architecture to enable delivery that meets the expectations of modern learners.

**Content steering** - Ability to influence technical and non-technical program content.

**Commercial flexibility** – A range of benefits to enhance membership pre-commitment and deliver greater value.

# ENERGY TRANSITION

A graphic for an energy transition presentation. The background is a dark green with a network of white lines and circular icons. The icons include a solar panel, a flame, a sun, and a fuel pump. A bright sunburst is in the center. On the right, there is a large, white, stylized outline of a document or folder.

Helping our oil & gas clients adjust to and thrive in a low-carbon economy

## Subject Areas

Carbon Capture & Storage  
ESG, Geothermal & Hydrogen

# CARBON CAPTURE & STORAGE

## Instructor Led Training

Courses	Instructors	Level	Mode	Duration	Dates	Location
<a href="#">N668a25V: The Economics of CCS Projects</a>	Andy Kirchin	Foundation	Virtual	2 Sessions	01 Oct - 02 Oct	Virtual Classroom
<a href="#">N549a25V: Subsurface Characterization, Screening and Site Selection for Geologic CO2 Storage Sites</a>	Alex Bump, Susan Hovorka	Skilled	Virtual	3 Sessions	21 Oct - 23 Oct	Virtual Classroom
<a href="#">N592a25V: Well Engineering for CO2 Storage Applications</a>	Jonathan Bellarby	Skilled	Virtual	5 Sessions	03 Nov - 07 Nov	Virtual Classroom

\*Session Duration – 3-4 hrs

## Self-paced e-learning

Courses	Level	Duration
<a href="#">EC003 Fundamentals of Carbon Capture and Storage (CCS)</a>	Foundation	5 hours
<a href="#">EC004 Geological Storage of CO2</a>	Foundation	5 hours
<a href="#">EC005 Behaviour of CO2 in Reservoirs</a>	Foundation	6 hours
<a href="#">EC006 Monitoring CO2 Storage</a>	Foundation	4 hours
<a href="#">EP001 The Geoscience of CO2 Storage** - EC003, EC004, EC005 &amp; EC006</a>	Foundation	20 hours
<a href="#">EC007 Petrophysics for CCS</a>	Skilled	7 hours
<a href="#">EC031 Geomechanics for CCS Projects</a>	Skilled	6 hours

\*\* Denotes self-paced e-learning bundle



## Instructor Led Training

Courses	Instructors	Level	Mode	Duration	Dates	Location
<a href="#">N667a25V: An Introduction to Natural Hydrogen Exploration</a>	Jürgen Grötsch	Awareness	Virtual	2 Sessions	18 Nov - 19 Nov	Virtual Classroom

## Self-paced e-learning

\*Session Duration – 3-4 hrs

Courses	Level	Duration
<a href="#">EC053 Geomechanics for Geothermal Projects</a>	Foundation	4 hours



# OIL AND GAS



Detailed and practical training across the asset life cycle from exploration, appraisal, development through to production

## Subject Areas

- Basin Analysis
- Structure & Tectonics
- Stratigraphy & Sedimentology
- Geophysics & Seismic Interpretation
- Petrophysics
- Reservoir Development
- Data Analytics, Economics & Risk Analysis
- Unconventional Resources
- Production & Reservoir Engineering



# BASIN ANALYSIS

## Instructor Led Training

Courses	Instructors	Level	Mode	Duration	Dates	Location
<a href="#">N343a25C: Depositional Evolution of the GOM Sedimentary Basin</a>	John Snedden	Skilled	Classroom	3 Days	23 Sep - 25 Sep	Houston, USA
<a href="#">N522a25V: Integrated Charge Access Evaluation: The Key to Successful Exploration</a>	Leon Dzou, Mark Thompson	Skilled	Virtual	5 Sessions	01 Dec - 05 Dec	Virtual Classroom

\*Session Duration – 3-4 hrs

## Self-paced e-learning

Courses	Level	Duration
<a href="#">EC022 Basin Analysis</a>	Foundation	7 hours
<a href="#">EC020 Petroleum Generation and Migration</a>	Foundation	5 hours
<a href="#">EC021 Play Fairway Analysis</a>	Foundation	6 hours
<a href="#">EP005 Basin, Play Analysis, Petroleum Generation and Migration** - EC022, EC020 &amp; EC021</a>	Foundation	18 hours

\*\* Denotes self-paced e-learning bundle



# STRUCTURE & TECTONICS

## Instructor Led Training

Courses	Instructors	Level	Mode	Duration	Dates	Location
<a href="#">N379a25F: Application of Geomechanics to Reservoir Characterization, Management and Hydraulic Stimulation (Wyoming, USA)</a>	Peter Hennings, Jon Olson	Skilled	Field	5 Days	25 Aug - 29 Aug	Wyoming, USA
<a href="#">N074a25F: Geological and Seismic Interpretation of Thrust Structures for Exploration and Reservoir Characterization (Montana, USA)</a>	Peter Hennings	Skilled	Field	5 Days	08 Sep - 12 Sep	Montana, USA
<a href="#">N134a25F: Carbonate and Shale Faulting and Fracturing Field Seminar (Texas, USA)</a>	David Ferrill, Adam Cawood	Skilled	Field	5 Days	22 Sep - 26 Sep	Texas, USA
<a href="#">N575a25F: From Sub-Seismic Faults to Rift Basins: Exploration, Appraisal, and Production Insights (Gulf of Corinth, Greece)</a>	Douglas Paton	Skilled	Field	5 Days	29 Sep - 03 Nov	Gulf of Corinth, Greece
<a href="#">N657a25C: Seismic Structural Interpretation Techniques</a>	Douglas Paton	Foundation	Classroom	5 Days	03 Nov - 07 Nov	Stavanger, Norway
<a href="#">N114a25F: Extensional Tectonics and Normal Faulting (Nevada and California, USA)</a>	David Ferrill, Adam Cawood	Skilled	Field	5 Days	10 Nov - 14 Nov	Nevada and California, USA
<a href="#">N477a25V: A Systematic Approach to Defining and Evaluating Stratigraphic and Subtle Combination Traps</a>	Mark Thompson, Mike Mayall	Skilled	Virtual	8 Sessions	10 Nov - 20 Nov	Virtual Classroom

\*Session Duration – 3-4 hrs

## Self-paced e-learning

Courses	Level	Duration
<a href="#">EC052 Geomechanics for Oil and Gas Projects</a>	Foundation	6 hours
<a href="#">EC054 Geomechanics for Gas Storage Projects</a>	Foundation	4 hours

# STRATIGRAPHY & SEDIMENTOLOGY

## Instructor Led Training

Courses	Instructors	Level	Mode	Duration	Dates	Location
<a href="#">N059b25F: Carbonate Systems and Facies Architecture: Exploration and Reservoir Implications (Mallorca &amp; Menorca, Spain)</a>	Juan Ignacio Baceta, Guillem Mateu	Skilled	Field	5 Days	09 Jun - 13 Jun	Mallorca and Menorca, Spain
<a href="#">N073a25V: Integration of Sedimentology, Petrophysics and Seismic Interpretation for Exploration and Production of Carbonate Systems</a>	Gregor Eberli	Skilled	Virtual	8 Sessions	09 Jun - 19 Jun	Virtual Classroom
<a href="#">N009a25F: Sedimentology, Stratigraphy and Reservoir Geology of Deepwater Clastic Systems (County Clare, Ireland)</a>	Andy Pulham	Skilled	Field	5 Days	24 Jun - 28 Jun	County Clare, Ireland
<a href="#">N011a25F: High Resolution Sequence Stratigraphy: Reservoir Applications (Utah, USA)</a>	Lee Krystinik, Andy Pulham	Skilled	Field	5 Days	15 Sep - 19 Sep	Utah, USA
<a href="#">N059a25F: Carbonate Systems and Facies Architecture: Exploration and Reservoir Implications (Mallorca &amp; Menorca, Spain)</a>	Juan Ignacio Baceta, Guillem Mateu	Skilled	Field	5 Days	22 Sep - 26 Sep	Mallorca and Menorca, Spain
<a href="#">N483a25V: Deepwater Stratigraphy and Facies Analysis from Seismic, Well Data and Outcrops</a>	Mike Mayall	Skilled	Virtual	6 Sessions	07 Oct - 16 Oct	Virtual Classroom
<a href="#">N091a25F: Carbonate Reservoir Architecture and Applied Carbonate Sequence Stratigraphy (West Texas and SE New Mexico, USA)</a>	Art Saller	Skilled	Field	5 Days	20 Oct - 24 Oct	West Texas and SE New Mexico, USA
<a href="#">N292a25F: Deepwater Depositional System Stratigraphy for Exploration and Development (Arkansas, USA)</a>	Lesli Wood, Doug Hanson, Mac McGilvery	Skilled	Field	5 Days	27 Oct - 31 Oct	Arkansas, USA
<a href="#">N670a25F: Fluvial and Coastal Clastic Depositional Environments (Texas Gulf Coast, USA)</a>	Anton Wroblewski	Foundation	Field	4 Days	03 Nov - 06 Nov	Texas Gulf Coast, USA

\*Session Duration – 3-4 hrs

# GEOFYSICS & SEISMIC INTERPRETATION

## Instructor Led Training

Courses	Instructors	Level	Mode	Duration	Dates	Location
<a href="#">N470a25V: AVO Reflectivity, Pre-stack Inversion and Quantitative Seismic Interpretation</a>	Bill Goodway	Skilled	Virtual	6 Sessions	30 Sep - 09 Oct	Virtual Classroom
<a href="#">N673a25C: Applied Seismic Interpretation</a>	Rachel Newrick	Skilled	Classroom	5 Days	06 Oct - 10 Oct	Houston, USA
<a href="#">N659a25V: The Interpreter's Guide to Depth Imaging</a>	Scott MacKay	Skilled	Virtual	4 Sessions	13 Oct - 16 Oct	Virtual Classroom
<a href="#">N049a25V: Seismic Attributes for Exploration and Reservoir Characterisation</a>	John Castagna	Skilled	Virtual	10 Sessions	13 Oct - 24 Oct	Virtual Classroom
<a href="#">N505a25V: Applications of Time-Lapse Seismic Data to Reservoir Management and Carbon Storage</a>	David Johnston	Skilled	Virtual	4 Sessions	20 Oct - 23 Oct	Virtual Classroom
<a href="#">N004a25V: The Essentials of Rock Physics and Seismic Amplitude Interpretation</a>	Eleanor Oldham	Foundation	Virtual	8 Sessions	03 Nov - 13 Nov	Virtual Classroom

\*Session Duration – 3-4 hrs

## Self-paced e-learning

Courses	Level	Duration
<a href="#">EC008 Seismic Methods</a>	Foundation	5 hours



# PETROPHYSICS

## Instructor Led Training

Courses	Instructors	Level	Mode	Duration	Dates	Location
<a href="#">N083a25C: Petrophysics and Formation Evaluation: Principles and Practice</a>	David Eickhoff	Foundation	Classroom	3 Days	03 Jun - 05 Jun	Houston, USA
<a href="#">N330a25V: Image and Dip Log Analysis and Interpretation</a>	Nicholas Harvey	Skilled	Virtual	5 Sessions	15 Sep - 19 Sep	Virtual Classroom
<a href="#">N528a25C: Petrophysics of Tight and Unconventional Oil Reservoirs</a>	Dick Merkel	Skilled	Classroom	3 Days	04 Nov - 06 Nov	Houston, USA
<a href="#">N003a25C: Geological Interpretation of Well Logs</a>	Jenny Garnham	Foundation	Classroom	5 Days	10 Nov - 14 Nov	Stavanger, Norway
<a href="#">N083b25C: Petrophysics and Formation Evaluation: Principles and Practice</a>	Mike Lovell	Foundation	Classroom	3 Days	18 Nov - 20 Nov	Stavanger, Norway
<a href="#">N666a25C: Special Core Analysis</a>	Adam Moss	Skilled	Classroom	4 Days	01 Dec - 04 Dec	Stavanger, Norway

\*Session Duration – 3-4 hrs

## Self-paced e-learning

Courses	Level	Duration
<a href="#">EC013 Foundation Petrophysics</a>	Foundation	6 hours
<a href="#">EC014 Petrophysical Tools</a>	Foundation	12 hours
<a href="#">EC015 Petrophysical Tools for Geoscience</a>	Foundation	14 hours
<a href="#">EC016 Petrophysical Tools for Reservoir Engineering</a>	Foundation	14 hours
<a href="#">EC018 Formation Evaluation</a>	Foundation	3 hours
<a href="#">EP002 Petrophysics and Formation Evaluation for Geoscientists** - EC013, EC014, EC015 &amp; EC018</a>	Foundation	20 hours
<a href="#">EP003 Petrophysics and Formation Evaluation for Reservoir* Engineers**- EC013, EC014, EC016 &amp; EC018</a>	Foundation	20 hours

\*\* Denotes self-paced e-learning bundle

# RESERVOIR DEVELOPMENT

## Instructor Led Training

Courses	Instructors	Level	Mode	Duration	Dates	Location
<a href="#">N058a25V: Reservoir Characterization and Geostatistical Modeling; A Data Analytical Approach to Practical Geospatial Reservoir Mapping</a>	Jeffrey Yarus	Skilled	Virtual	8 Sessions	16 Jun - 26 Jun	Virtual Classroom
<a href="#">N444a25C: Development Planning For Mature Fields</a>	Jerry Hadwin	Skilled	Classroom	3 Days	23 Jun - 25 Jun	Stavanger, Norway
<a href="#">N386a25F: Reservoir Model Design (Pembrokeshire, UK)</a>	Mark Bentley, Ed Stephens	Skilled	Field	5 days	01 Sep - 05 Sep	Pembrokeshire, UK
<a href="#">N923a25F: Modelling of Reservoir Structure &amp; Fractures - Applications to CCS, Gas Storage, Geothermal, Oil &amp; Gas (Somerset, UK)</a>	Tim Wynn, Ed Stephens	Skilled	Field	5 Days	08 Sep - 12 Sep	Somerset, UK
<a href="#">N033a25F: Characterisation, Modelling, Simulation and Development Planning in Deepwater Clastic Reservoirs (Tabernas, Spain)</a>	Mark Bentley, Ed Stephens	Skilled	Field	5 Days	22 Sep - 26 Sep	Tabernas, Spain
<a href="#">N675a25V: Sandstone Diagenesis and Reservoir Quality for Exploration, Appraisal, Field Development, and CCS Projects</a>	Richard Worden	Skilled	Virtual	5 Sessions	22 Sep - 26 Sep	Virtual Classroom
<a href="#">N576a25F: Reservoir Modelling and the Application of Outcrop Analogues (Utah, USA)</a>	John Howell	Skilled	Field	5 Days	29 Sep - 03 Oct	Utah, USA
<a href="#">N427a25C: Reservoir Model Design</a>	Mark Bentley	Skilled	Classroom	4 Days	24 Nov - 27 Nov	Stavanger, Norway
<a href="#">N305a25C: Core Facies Analysis for Resource Plays</a>	Gus Gustason	Foundation	Classroom	5 Days	01 Dec - 05 Dec	Denver, USA

\*Session Duration – 3-4 hrs



# UNCONVENTIONAL RESOURCES

## Instructor Led Training

Courses	Instructors	Level	Mode	Duration	Dates	Location
<a href="#">N313a25V: Evaluating Shale and Tight Oil and Gas Reservoirs</a>	Creties Jenkins	Foundation	Virtual	8 Sessions	24 Feb - 27 Feb	Virtual Classroom
<a href="#">N463a25F: Geological Drivers for Tight-Oil and Unconventional Plays in the Powder River Basin and Applications to Other Basins (Wyoming, USA)</a>	Randi Martinsen, Lee Krystinik	Foundation	Field	5 Days	23 Jun - 27 Jun	Wyoming, USA
<a href="#">N364a25F: Fracture Architecture, Sedimentology and Diagenesis of Organic-rich Mudstones of Ancient Upwelling Zones with Application to Naturally Fractured Reservoirs (California, USA)</a>	Richard Behl, Jon R. Schwalbach	Skilled	Field	5 Days	12 Jul - 16 Jul	California, USA
<a href="#">N406a25C: Unconventional Resource Assessment and Valuation</a>	Creties Jenkins, Mark McLane	Skilled	Classroom	4 Days	18 Aug - 21 Aug	Midland, USA
<a href="#">N471a25C: The Petroleum System in Unconventional Exploration &amp; Production: Geology, Geochemistry and Basin Modeling</a>	Andy Pepper	Foundation	Classroom	4 Days	27 Oct - 30 Oct	Houston, USA
<a href="#">N437a25C: Geomechanics for Unconventional and Tight Reservoirs</a>	Neal Nagel, Marisela Sanchez-Nagel	Skilled	Classroom	4 Days	10 Nov - 13 Nov	Houston, USA

\*Session Duration – 3-4 hrs



# PRODUCTION & RESERVOIR ENGINEERING

## Instructor Led Training

Courses	Instructors	Level	Mode	Duration	Dates	Location
<a href="#">N940a25C: Modern Completion and Production Enhancement Techniques</a>	Jonathan Bellarby	Skilled	Classroom	5 Days	16 Jun - 20 Jun	Stavanger, Norway
<a href="#">N006a25V: An Introduction to Reservoir Engineering for Geoscientists</a>	Mark Cook	Foundation	Virtual	5 Sessions	06 Oct - 10 Oct	Virtual Classroom
<a href="#">N013a25V: Overpressure in Petroleum Systems and Geopressure Prediction</a>	Jakob Heller, Jorge Fernandez, Rashad	Foundation	Virtual	8 Sessions	13 Oct - 23 Oct	Virtual Classroom
<a href="#">N679a25C: GeoPressure Essentials: Managing Subsurface Pressures for Oil &amp; Gas and Carbon Storage</a>	Stephen O'Connor	Foundation	Classroom	4 Days	27 Oct - 30 Oct	Stavanger, Norway
<a href="#">N996a25V: Gas Reservoir Engineering and Management</a>	Pete Smith	Skilled	Virtual	8 Sessions	03 Nov - 13 Nov	Virtual Classroom

\*Session Duration – 3-4 hrs

## Self-paced e-learning

Courses	Level	Duration
<a href="#">EC025 Well Planning and Drilling Operations</a>	Foundation	6 hours
<a href="#">EC026 Reservoir Engineering and Well Optimisation</a>	Foundation	3 hours
<a href="#">EC027 Well Completion Technology</a>	Foundation	4 hours
<a href="#">EC028 Well Production Operations</a>	Foundation	3 hours
<a href="#">EC036 Delivering Exploration &amp; Appraisal Wells Safely</a>	Foundation	8 hours
<a href="#">EP004 Essentials of Reservoir and Production Engineering** - EC025, EC026, EC027, EC028</a>	Foundation	14 hours

\*\* Denotes self-paced e-learning bundle



# DATA ANALYTICS, ECONOMICS & RISK ANALYSIS

## Instructor Led Training

Courses	Instructors	Level	Mode	Duration	Dates	Location
<a href="#">N510a25V: Mitigating Bias, Blindness and Illusions in E&amp;P Decision Making</a>	Creties Jenkins	Foundation	Virtual	4 Sessions	08 Sep - 11 Sep	Virtual Classroom
<a href="#">N479a25V: Applied Statistical Modeling and Big Data Analytics</a>	Srikanta Mishra	Skilled	Virtual	5 Sessions	15 Sep - 19 Sep	Virtual Classroom
<a href="#">N014a25V: Petroleum Economics and Risk Analysis</a>	Mark Cook	Foundation	Virtual	5 Sessions	17 Nov - 21 Nov	Virtual Classroom

\*Session Duration – 3-4 hrs

## Self-paced e-learning

Courses	Level	Duration
<a href="#">EC001 Geostatistics for Reservoir Modelling</a>	Foundation	6 hours

\*\* Denotes self-paced e-learning bundle

\*Session Duration – 3-4 hrs

# COURSE ACCESS

## Scheduled courses

We deliver field, classroom and online courses focusing on core skills development and current challenges facing the E&P industry. Courses are delivered by instructors recognised as world class subject matter experts in their field, including industry leaders, professors and distinguished lecturers.

Our scheduled courses can be accessed through your corporate Nautilus Training Alliance (NTA) Membership or courses can be booked on-demand as required online by credit card or invoice.

## Self-paced e-learning

Offered independently or as part of a blended learning program, our bespoke e-learning solutions immerse learners in a rich variety of content and interactive media to provide a personalised learning experience. By providing access to our e-learning catalogue or producing custom content, we can help organisations leverage technology to engage their learners in a dynamic and exciting digital learning environment.

With each new course, you will find an overview of what the course covers and what's associated with the specific course elements in the introductory module page. Specific competencies are addressed through videos, presentation materials, interactive quizzes, 3D models, text and voice-overs. Each module is designed for flexible learning and allows for variable periods of interaction with content to suit individual needs.

Courses can be accessed wither via a corporate license or can be booked on-demand as required online by credit card or invoice.

## Inhouse courses

The same best in class virtual, field and classroom courses focusing on core skills development and current challenges but delivered inhouse for groups typically of 10 to 20 participants. Courses delivered by instructors recognised as world class subject matter experts.

**Designed to meet technical requirements** – Learning events are tailored to address learning outcomes most relevant to the team in the workplace. Can include variations across all subject areas and specifics to address cross-disciplinary challenges. Established courses can be delivered off-the-shelf or customised to meet specific technical focus and level.

**Flexible locations** – Either in your office, or virtually to provide training for participants in multiple locations.

**Flexible schedules** – Delivered in continuous sessions, or distributed over a longer period of time to suit operational requirements.

**Efficient** - Team focused training is a cost effective means of learning and development for technical staff with shared technical challenges.

Book a course or make an inhouse course enquiry:  
[training.rpsgroup.com/contact-us/](https://training.rpsgroup.com/contact-us/)



## Certificates for Professional Development

*Certificates for Professional Development Hours (PDH) and/or Continuing Education Units (CEU) are issued for application toward your professional development.*

*We are accredited by the International Association for Continuing Education and Training (IACET) and is authorized to issue the IACET CEU. We comply with the ANSI/IACET Standard, which is recognised internationally as a standard of excellence in instructional practices.*

[Visit the IACET website](#)

*All Geoscience and Professional Skills Development courses on the Nautilus Training Alliance have been accredited by the Geological Society, London and approved for Continuing Professional Development for geoscientists who are working towards or have received Chartered Geologist status.*

[Visit the Geological Society of London's website](#)



Our goal is to collaborate with our customers to develop the competencies and capability of their workforce through integrated learning that supports their roles and promotes individual development driving organisational excellence. Our expertise brings flexible and scalable solutions from a diverse energy portfolio in the design, development of technical content and knowledge-based programmes delivered by expert instructors. Our technical and learning expertise help organisations develop the competencies, skills and knowledge they need to fulfil their collective potential.

#### **CONTACT**

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