

V2.5  
July 2024

CAPABILITY  
DEVELOPMENT FOR THE  
**ENERGY SECTOR**

2024 NTA Program

# NAUTILUS TRAINING ALLIANCE

# 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 RPS 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.



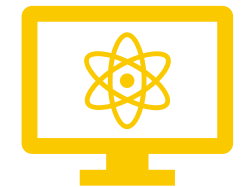
### **Field**

Field courses in the US, UK, Ireland, Spain, Greece, France, Portugal 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.

# FOCUSING ON CORE SKILLS DEVELOPMENT AND CURRENT CHALLENGES FACING THE ENERGY INDUSTRY

**Quality** - Access to 'best in class' field, virtual classroom and classroom courses in a planned and reliable schedule utilising many of the best known industry and academic instructors.

**Fully supported** - Full support for the provision of effective and reliable training (booking support, field logistics and HSSE, course facilitation).

**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.

# A PROGRAM OF COMPETENCY-BASED SCHEDULED TRAINING COURSES FOR ENERGY PROFESSIONALS

RPS delivers 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.



COMPETENCE

# ENERGY TRANSITION

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



## SUBJECT AREAS

Carbon Capture and Storage

ESG, Geothermal and Hydrogen

# CARBON CAPTURE AND STORAGE

\*Session Duration – 3-4 hrs

<b>Courses</b>	<b>Instructors</b>	<b>Level</b>	<b>Mode</b>	<b>Duration</b>	<b>Dates</b>	<b>Location</b>
<a href="#">N549a24V: Subsurface Characterization, Screening and Site Selection for Geologic CO2 Storage Sites</a>	Alex Bump, Susan Hovorka	Skilled	Virtual	3 Sessions	01 Oct to 03 Oct 24	Virtual Classroom
<a href="#">N668a24V: The Economics of CCS Projects</a>	Andy Kirchin	Foundation	Virtual	2 Sessions	16 Oct to 17 Oct 24	Virtual Classroom
<a href="#">N591a24V: Geochemistry of CCS: Reservoirs, Seals and the Engineered Environment</a>	Richard Worden	Skilled	Virtual	4 Sessions	11 Nov to 14 Nov 24	Virtual Classroom
<a href="#">N553a24V: Monitoring Geologic CO2 Storage Sites</a>	Katherine Romanak, Susan Hovorka	Foundation	Virtual	3 Sessions	19 Nov to 21 Nov 24	Virtual Classroom
<a href="#">N590a24V: Geomechanics for CCS Projects</a>	Kes Heffer, Nick Koutsabeloulis	Skilled	Virtual	4 Sessions	02 Dec to 05 Dec 24	Virtual Classroom
<a href="#">N565a24V: Carbon Capture and Storage for Geoscientists and Engineers</a>	Richard Worden	Foundation	Virtual	5 Sessions	02 Dec to 06 Dec 24	Virtual Classroom

# ESG, GEOTHERMAL & HYDROGEN

\*Session Duration – 3-4 hrs

<b>Courses</b>	<b>Instructors</b>	<b>Level</b>	<b>Mode</b>	<b>Duration</b>	<b>Dates</b>	<b>Location</b>
<a href="#">N580a24V: Exploration and Development of Deep Aquifer Geothermal for Direct Heat Use</a>	Mark Ireland	Foundation	Virtual	5 Sessions	15 Jan to 19 Jan 24	Virtual Classroom
<a href="#">N580b24V: Exploration and Development of Deep Aquifer Geothermal for Direct Heat Use</a>	Mark Ireland	Foundation	Virtual	4 Sessions	09 Sep to 13 Sep 24	Virtual Classroom
<a href="#">N667a24V: An Introduction to Natural Hydrogen Exploration</a>	Jürgen Grötsch	Awareness	Virtual	2 Sessions	24 Sep to 25 Sep 24	Virtual Classroom
<a href="#">N665a24V: Natural Hydrogen Exploration</a>	Jürgen Grötsch	Foundation	Virtual	5 Sessions	04 Nov to 08 Nov 24	Virtual Classroom
<a href="#">N664a24V: Developing Green Hydrogen Knowledge and Skills Across the Value Chain</a>	Sandy Petrie	Foundation	Virtual	5 Sessions	18 Nov to 22 Nov 24	Virtual Classroom

# OIL AND GAS

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

## SUBJECT AREAS

Basin Analysis

Structure and Tectonics

Stratigraphy and Sedimentology

Geophysics and Seismic Interpretation

Petrophysics

Reservoir Development

Data Analytics, Economics and Risk Analysis

Unconventional Resources

Production and Reservoir Engineering

Industry Fundamentals



# BASIN ANALYSIS

\*Session Duration – 3-4 hrs

Courses	Instructors	Level	Mode	Duration	Dates	Location
<a href="#">N522a24V: Integrated Charge Access Evaluation: The Key to Successful Exploration</a>	Leon Dzou, Mark Thompson	Skilled	Virtual	5 Sessions	02 Dec to 06 Dec 24	Virtual Classroom

# STRUCTURE & TECTONICS

Courses	Instructors	Level	Mode	Duration	Dates	Location
<a href="#">N379a24F: Application of Geomechanics to Reservoir Characterization, Management and Hydraulic Stimulation (Wyoming, USA)</a>	Peter Hennings, Jon Olson	Skilled	Field	5 Days	29 Jul to 02 Aug 24	Wyoming, USA
<a href="#">N266a24F: Mechanical Stratigraphy, Stress, and Geomechanics (West Texas, USA)</a>	Kevin Smart, Adam Cawood	Skilled	Field	5 Days	23 Sep to 27 Sep 24	West Texas, USA
<a href="#">N575a24F: From Sub-Seismic Faults to Rift Basins: Exploration, Appraisal, and Production Insights (Gulf of Corinth, Greece)</a>	Douglas Paton	Skilled	Field	5 Days	30 Sep to 04 Oct 24	Gulf of Corinth, Greece
<a href="#">N477a24C: A Systematic Approach to Defining and Evaluating Stratigraphic and Subtle Combination Traps</a>	Mark Thompson, Mike Mayall	Skilled	Classroom	4 Days	14 Oct to 17 Oct 24	London, UK
<a href="#">N134a24F: Carbonate and Shale Faulting and Fracturing Field Seminar (Texas, USA)</a>	David Ferrill, Adam Cawood	Skilled	Field	5 Days	21 Oct to 25 Oct 24	Texas, USA
<a href="#">N662a24F: Salt Tectonics and Halokinetic Sequences Concepts in the Onshore Lusitanian Basin (Portugal)</a>	Pedro Barreto	Skilled	Field	4 Days	22 Oct to 25 Oct 24	Lusitanian Basin, Portugal
<a href="#">N657a24C: Seismic Structural Interpretation Techniques</a>	Douglas Paton	Foundation	Classroom	5 Days	28 Oct to 01 Nov 24	Stavanger, Norway

# STRATIGRAPHY & SEDIMENTOLOGY

\*Session Duration – 3-4 hrs

Courses	Instructors	Level	Mode	Duration	Dates	Location
<a href="#">N073a24V: Integration of Sedimentology, Petrophysics and Seismic Interpretation for Exploration and Production of Carbonate Systems</a>	Gregor Eberli	Skilled	Virtual	8 Sessions	03 Jun to 13 Jun 24	Virtual Classroom
<a href="#">N310a24F: Carbonate Reservoir Characterisation and Modelling (Provence, France)</a>	Mark Bentley	Skilled	Field	5 Days	10 Jun to 14 Jun 24	Provence, France
<a href="#">N009a24F: Sedimentology, Stratigraphy and Reservoir Geology of Deepwater Clastic Systems (County Clare, Ireland)</a>	Andy Pulham	Skilled	Field	5 Days	21 Jun to 25 Jun 24	County Clare, Ireland
<a href="#">N011a24F: High Resolution Sequence Stratigraphy: Reservoir Applications (Utah, USA)</a>	Lee Krystinik, Andy Pulham	Skilled	Field	5 Days	09 Sep to 13 Sep 24	Utah, USA
<a href="#">N107a24F: Turbidite Facies Architecture, Reservoir Applications and Predictive Stratigraphy (Karoo, South Africa)</a>	Dr De Ville Wickens & Dave Hodgson	Skilled	Field	5 Days	14 Oct to 18 Oct 24	Karoo, South Africa
<a href="#">N670a24F: Fluvial and Coastal Clastic Depositional Environments (Texas Gulf Coast, USA)</a>	Anton Wroblewski	Foundation	Field	5 Days	21 Oct to 25 Oct 24	Texas Gulf Coast, USA
<a href="#">N292a24F: Deepwater Depositional System Stratigraphy for Exploration and Development (Arkansas, USA)</a>	Lesli Wood, Mac McGilvery	Skilled	Field	5 Days	04 Nov to 08 Nov 24	Arkansas, USA
<a href="#">N402a24C: Seismic and Sequence Stratigraphy for Subsurface Exploration and Development</a>	Peter Burgess	Foundation	Classroom	4 Days	04 Nov to 07 Nov 24	Stavanger, Norway

# GEOPHYSICS & SEISMIC INTERPRETATION

\*Session Duration – 3-4 hrs

Courses	Instructors	Level	Mode	Duration	Dates	Location
<a href="#">N004a24C: The Essentials of Rock Physics and Seismic Amplitude Interpretation</a>	Eleanor Oldham	Foundation	Classroom	4 Days	22 Apr to 25 Apr 24	Stavanger, Norway
<a href="#">N090a24C: Seismic Structural Styles Workshop</a>	Gloria Eisenstadt	Foundation	Classroom	5 Days	16 Sep to 20 Sep 24	Houston, USA
<a href="#">N505a24V: Applications of Time-Lapse Seismic Data to Reservoir Management and Carbon Storage</a>	David Johnston	Skilled	Virtual	4 Sessions	14 Oct to 17 Oct 24	Virtual Classroom
<a href="#">N385a24C: Workflows for Seismic Reservoir Characterisation</a>	Patrick Connolly	Skilled	Classroom	5 Days	21 Oct to 25 Oct 24	Stavanger, Norway
<a href="#">N659a24V: The Interpreter's Guide to Depth Imaging</a>	Scott MacKay	Skilled	Virtual	4 Sessions	04 Nov to 07 Nov 24	Virtual Classroom
<a href="#">N085a24C: The Use of Seismic Data for Subsurface Interpretation</a>	Rachel Newrick	Foundation	Classroom	5 Days	18 Nov to 22 Nov 24	Houston, USA

# PETROPHYSICS

Courses	Instructors	Level	Mode	Duration	Dates	Location
<a href="#">N083a24V: Petrophysics and Formation Evaluation: Principles and Practice</a>	Mike Lovell	Foundation	Virtual	6 Sessions	05 Nov to 14 Nov 24	Virtual Classroom
<a href="#">N003a24C: Geological Interpretation of Well Logs</a>	Jenny Garnham	Foundation	Classroom	5 Days	11 Nov to 15 Nov 24	Stavanger, Norway
<a href="#">N666a24C: Special Core Analysis</a>	Adam Moss	Skilled	Classroom	4 Days	18 Nov to 21 Nov 24	Stavanger, Norway

# RESERVOIR DEVELOPMENT

\*Session Duration – 3-4 hrs

Courses	Instructors	Level	Mode	Duration	Dates	Location
<a href="#">N444a24C: Development Planning For Mature Fields</a>	Jerry Hadwin	Skilled	Classroom	3 Days	13 May to 15 May 24	Stavanger, Norway
<a href="#">N058a24V: Reservoir Characterization and Geostatistical Modeling; A Data Analytical Approach to Practical Geospatial Reservoir Mapping</a>	Prof. Jeffrey Yarus	Skilled	Virtual	8 Sessions	03 Jun to 13 Jun 24	Virtual Classroom
<a href="#">N923a24F: Modelling of Reservoir Structure and Fractures (Somerset, UK)</a>	Tim Wynn	Skilled	Field	5 Days	16 Sep to 20 Sep 24	Somerset, UK
<a href="#">N033a24F: Characterisation, Modelling, Simulation and Development Planning in Deepwater Clastic Reservoirs (Tabernas, Spain)</a>	Mark Bentley, Ed Stephens	Skilled	Field	5 Days	07 Oct to 11 Oct 24	Tabernas, Spain
<a href="#">N342a24C: Compartmentalization and Connectivity in Sandstone Reservoirs</a>	John Snedden	Skilled	Field	5 Days	28 Oct to 01 Nov 24	Houston, USA
<a href="#">N305a24C: Core Facies Analysis for Resource Plays</a>	Gus Gustason	Foundation	Classroom	5 Days	02 Dec to 06 Dec 24	USGS, Lakewood, CO

# DATA ANALYTICS, ECONOMICS & RISK ANALYSIS

Courses	Instructors	Level	Mode	Duration	Dates	Location
<a href="#">N014a24V: Petroleum Economics and Risk Analysis</a>	Mark Cook	Foundation	Virtual	5 Sessions	13 May to 17 May 24	Virtual Classroom
<a href="#">N510a24V: Mitigating Bias, Blindness and Illusions in E&amp;P Decision Making</a>	Creties Jenkins	Foundation	Virtual	4 Sessions	10 Jun to 13 Jun 24	Virtual Classroom
<a href="#">N014b24V: Petroleum Economics and Risk Analysis</a>	Mark Cook	Foundation	Virtual	5 Sessions	18 Nov to 22 Nov 24	Virtual Classroom

# UNCONVENTIONAL RESOURCES

\*Session Duration – 3-4 hrs

Courses	Instructors	Level	Mode	Duration	Dates	Location
<a href="#">N313a24V: Evaluating Shale and Tight Oil and Gas Reservoirs</a>	Creties Jenkins	Foundation	Virtual	8 Sessions	19 Feb to 22 Feb 24	Virtual Classroom
<a href="#">N471a24C: The Petroleum System in Unconventional Exploration &amp; Production: Geology, Geochemistry and Basin Modeling</a>	Andy Pepper	Foundation	Classroom	4 Days	24 Jun to 27 Jun 24	Houston, USA
<a href="#">N463a24F: 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	24 Jun to 28 Jun 24	Wyoming, USA
<a href="#">N364a24F: 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	23 Jul to 27 Jul 24	California, USA
<a href="#">N406a24C: Unconventional Resource Assessment and Valuation</a>	Creties Jenkins, Mark McLane	Skilled	Classroom	4 Days	26 Aug to 29 Aug 24	Midland, USA
<a href="#">N437a24C: Geomechanics for Unconventional and Tight Reservoirs</a>	Neal Nagel	Skilled	Classroom	4 Days	04 Nov to 07 Nov 24	Houston, USA
<a href="#">N406b24V: Unconventional Resource Assessment and Valuation</a>	Creties Jenkins, Mark McLane	Skilled	Virtual	8 sessions	09 Dec to 12 Dec 24	Virtual Classroom

# PRODUCTION & RESERVOIR ENGINEERING

\*Session Duration – 3-4 hrs

Courses	Instructors	Level	Mode	Duration	Dates	Location
<a href="#">N006a24C: An Introduction to Reservoir Engineering for Geoscientists</a>	Mark Cook	Foundation	Classroom	4 Days	08 Apr to 11 Apr 24	Stavanger, Norway
<a href="#">N940a24C: Modern Completion and Production Enhancement Techniques</a>	Jonathan Bellarby	Skilled	Classroom	5 Days	03 Jun to 07 Jun 24	Stavanger, Norway
<a href="#">N013a24V: Overpressure in Petroleum Systems and Geopressure Prediction</a>	Jakob Heller, Jorge Fernandez, Rashad Gulmammadov	Foundation	Virtual	8 Sessions	09 Sep to 19 Sep 24	Virtual Classroom
<a href="#">N006a24V: An Introduction to Reservoir Engineering for Geoscientists</a>	Mark Cook	Foundation	Virtual	5 Sessions	21 Oct to 25 Oct 24	Virtual Classroom
<a href="#">N997a24C: Applied Reservoir Engineering</a>	Jerry Hadwin	Skilled	Classroom	5 Days	25 Nov to 29 Nov 24	Stavanger, Norway

# INDUSTRY FUNDAMENTALS

Courses	Instructors	Level	Mode	Duration	Dates	Location
<a href="#">N373a24V: Petroleum Geology for Non-Geologists</a>	Jon Noad	Awareness	Virtual	4 Sessions	28 Oct to 31 Oct 24	Virtual Classroom

# CERTIFICATES FOR PROFESSIONAL DEVELOPMENT

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

RPS is 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](#)



# RPS | TRAINING

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.

The stand-out for our clients is that we use our deep expertise to solve problems that matter, making them easy to understand and we're easy to work with – making complex easy.

[www.training.rpsgroup.com](http://www.training.rpsgroup.com)

## CONTACT

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**NAUTILUS** 

