

V3.1
October 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.



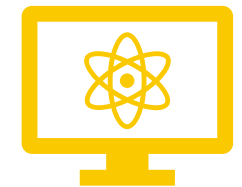
Field

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

Courses	Instructors	Level	Mode	Duration	Dates	Location
N668a24V: The Economics of CCS Projects	Andy Kirchin	Foundation	Virtual	2 Sessions	13 Nov to 14 Nov 24	Virtual Classroom
N590a24V: Geomechanics for CCS Projects	Kes Heffer, Nick Koutsabeloulis	Skilled	Virtual	4 Sessions	02 Dec to 05 Dec 24	Virtual Classroom
N565a24V: Carbon Capture and Storage for Geoscientists and Engineers	Richard Worden	Foundation	Virtual	5 Sessions	02 Dec to 06 Dec 24	Virtual Classroom

ESG, GEOTHERMAL & HYDROGEN

Courses	Instructors	Level	Mode	Duration	Dates	Location
N580a24V: Exploration and Development of Deep Aquifer Geothermal for Direct Heat Use	Mark Ireland	Foundation	Virtual	5 Sessions	15 Jan to 19 Jan 24	Virtual Classroom
N580b24V: Exploration and Development of Deep Aquifer Geothermal for Direct Heat Use	Mark Ireland	Foundation	Virtual	4 Sessions	09 Sep to 13 Sep 24	Virtual Classroom
N667a24V: An Introduction to Natural Hydrogen Exploration	Jürgen Grötsch	Awareness	Virtual	2 Sessions	12 Nov to 13 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
N522a24V: Integrated Charge Access Evaluation: The Key to Successful Exploration	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
N379a24F: Application of Geomechanics to Reservoir Characterization, Management and Hydraulic Stimulation (Wyoming, USA)	Peter Hennings, Jon Olson	Skilled	Field	5 Days	29 Jul to 02 Aug 24	Wyoming, USA
N266a24F: Mechanical Stratigraphy, Stress, and Geomechanics (West Texas, USA)	Kevin Smart, Adam Cawood	Skilled	Field	5 Days	23 Sep to 27 Sep 24	West Texas, USA
N575a24F: From Sub-Seismic Faults to Rift Basins: Exploration, Appraisal, and Production Insights (Gulf of Corinth, Greece)	Douglas Paton	Skilled	Field	5 Days	30 Sep to 04 Oct 24	Gulf of Corinth, Greece
N477a24C: A Systematic Approach to Defining and Evaluating Stratigraphic and Subtle Combination Traps	Mark Thompson, Mike Mayall	Skilled	Classroom	4 Days	14 Oct to 17 Oct 24	London, UK
N134a24F: Carbonate and Shale Faulting and Fracturing Field Seminar (Texas, USA)	David Ferrill, Adam Cawood	Skilled	Field	5 Days	21 Oct to 25 Oct 24	Texas, USA

STRATIGRAPHY & SEDIMENTOLOGY

*Session Duration – 3-4 hrs

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

GEOPHYSICS & SEISMIC INTERPRETATION

*Session Duration – 3-4 hrs

Courses	Instructors	Level	Mode	Duration	Dates	Location
N004a24C: The Essentials of Rock Physics and Seismic Amplitude Interpretation	Eleanor Oldham	Foundation	Classroom	4 Days	22 Apr to 25 Apr 24	Stavanger, Norway
N505a24V: Applications of Time-Lapse Seismic Data to Reservoir Management and Carbon Storage	David Johnston	Skilled	Virtual	4 Sessions	14 Oct to 17 Oct 24	Virtual Classroom
N385a24C: Workflows for Seismic Reservoir Characterisation	Patrick Connolly	Skilled	Classroom	5 Days	21 Oct to 25 Oct 24	Stavanger, Norway

PETROPHYSICS

Courses	Instructors	Level	Mode	Duration	Dates	Location
N083a24V: Petrophysics and Formation Evaluation: Principles and Practice	Mike Lovell	Foundation	Virtual	6 Sessions	05 Nov to 14 Nov 24	Virtual Classroom
N003a24C: Geological Interpretation of Well Logs	Jenny Garnham	Foundation	Classroom	5 Days	11 Nov to 15 Nov 24	Stavanger, Norway
N666a24C: Special Core Analysis	Adam Moss	Skilled	Classroom	4 Days	16 Dec to 19 Dec 24	Stavanger, Norway

RESERVOIR DEVELOPMENT

*Session Duration – 3-4 hrs

Courses	Instructors	Level	Mode	Duration	Dates	Location
N444a24C: Development Planning For Mature Fields	Jerry Hadwin	Skilled	Classroom	3 Days	13 May to 15 May 24	Stavanger, Norway
N058a24V: Reservoir Characterization and Geostatistical Modeling; A Data Analytical Approach to Practical Geospatial Reservoir Mapping	Prof. Jeffrey Yarus	Skilled	Virtual	8 Sessions	03 Jun to 13 Jun 24	Virtual Classroom
N033a24F: Characterisation, Modelling, Simulation and Development Planning in Deepwater Clastic Reservoirs (Tabernas, Spain)	Mark Bentley, Ed Stephens	Skilled	Field	5 Days	07 Oct to 11 Oct 24	Tabernas, Spain
N342a24C: Compartmentalization and Connectivity in Sandstone Reservoirs	John Snedden	Skilled	Field	5 Days	28 Oct to 01 Nov 24	Houston, USA

DATA ANALYTICS, ECONOMICS & RISK ANALYSIS

Courses	Instructors	Level	Mode	Duration	Dates	Location
N014a24V: Petroleum Economics and Risk Analysis	Mark Cook	Foundation	Virtual	5 Sessions	13 May to 17 May 24	Virtual Classroom
N510a24V: Mitigating Bias, Blindness and Illusions in E&P Decision Making	Creties Jenkins	Foundation	Virtual	4 Sessions	10 Jun to 13 Jun 24	Virtual Classroom
N014b24V: Petroleum Economics and Risk Analysis	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
N313a24V: Evaluating Shale and Tight Oil and Gas Reservoirs	Creties Jenkins	Foundation	Virtual	8 Sessions	19 Feb to 22 Feb 24	Virtual Classroom
N471a24C: The Petroleum System in Unconventional Exploration & Production: Geology, Geochemistry and Basin Modeling	Andy Pepper	Foundation	Classroom	4 Days	24 Jun to 27 Jun 24	Houston, USA
N463a24F: Geological Drivers for Tight-Oil and Unconventional Plays in the Powder River Basin and Applications to Other Basins (Wyoming, USA)	Randi Martinsen, Lee Krystinik	Foundation	Field	5 Days	24 Jun to 28 Jun 24	Wyoming, USA
N364a24F: Fracture Architecture, Sedimentology and Diagenesis of Organic-rich Mudstones of Ancient Upwelling Zones with Application to Naturally Fractured Reservoirs (California, USA)	Richard Behl, Jon R. Schwalbach	Skilled	Field	5 Days	23 Jul to 27 Jul 24	California, USA
N406a24C: Unconventional Resource Assessment and Valuation	Creties Jenkins, Mark McLane	Skilled	Classroom	4 Days	26 Aug to 29 Aug 24	Midland, USA
N437a24C: Geomechanics for Unconventional and Tight Reservoirs	Neal Nagel	Skilled	Classroom	4 Days	04 Nov to 07 Nov 24	Houston, USA
N406b24V: Unconventional Resource Assessment and Valuation	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
N006a24C: An Introduction to Reservoir Engineering for Geoscientists	Mark Cook	Foundation	Classroom	4 Days	08 Apr to 11 Apr 24	Stavanger, Norway
N940a24C: Modern Completion and Production Enhancement Techniques	Jonathan Bellarby	Skilled	Classroom	5 Days	03 Jun to 07 Jun 24	Stavanger, Norway
N013a24V: Overpressure in Petroleum Systems and Geopressure Prediction	Jakob Heller, Jorge Fernandez, Rashad Gulmammadov	Foundation	Virtual	8 Sessions	09 Sep to 19 Sep 24	Virtual Classroom
N006a24V: An Introduction to Reservoir Engineering for Geoscientists	Mark Cook	Foundation	Virtual	5 Sessions	21 Oct to 25 Oct 24	Virtual Classroom
N997a24C: Applied Reservoir Engineering	Jerry Hadwin	Skilled	Classroom	5 Days	25 Nov to 29 Nov 24	Stavanger, Norway

INDUSTRY FUNDAMENTALS

Courses	Instructors	Level	Mode	Duration	Dates	Location
N373a24V: Petroleum Geology for Non-Geologists	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.

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