TETRA TECH

NAUTILUS

NAUTILUS TRAINING ALLIANCE

2027 NTA PROGRAM

Capability Development for the Energy Sector

Basin Analysis | Sedimentology & Stratigraphy
Structure & Tectonics | Geophysics & Seismic Interpretation | Petrophysics
Reservoir Development | Unconventional Resources
Reservoir & Production Engineering | Drilling & Well Engineering
Data Analytics, Economics & Risk Analysis | Carbon Capture & Storage





energytraining.tetratech.com

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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.

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 – Work with us to develop NTA program content.

Flexible acccess – Courses are accessed via NTA Membership or on a PAYG basis.

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

2027 NTA Program | A comprehensive program of instructor led and on-demand eLearning courses spanning Geoscience, Petroleum Engineering, Multidisciplinary and Energy Transition disciplines.

FIELD COURSES

18 field courses scheduled through-out the year in US, UK, Ireland, Spain, Norway and Greece.
7 new courses covering structure and tectonics, salt evolution, clastic sedimentology and basin analysis.

CLASSROOM COURSES

11 courses scheduled in US
19 courses scheduled in Norway and UK
8 new courses focussed on geomechanics, applied data science and machine learning and drilling and well engineering.

VIRTUAL COURSES

15 virtual classroom courses at Foundation and Skilled levels.
4 new courses focused on sequence stratigraphy, geochemistry and petroleum systems and fault seal analysis.

ON-DEMAND eLEARNING

29 eLearning courses in geoscience, petrophysics, engineering and multidisciplinary subject areas at Foundation level.

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2027 NTA Program

Discipline and Subject Areas

Geoscience

- Basin Analysis
- Sedimentology and Stratigraphy
- Structure and Tectonics
- Geophysics and Seismic Interpretation
- Petrophysics
- Reservoir Development
- Unconventional Resources

Petroleum Engineering

- Reservoir and Production Engineering
- Drilling and Well Engineering

Multidisciplinary

- Data Analytics, Economics and Risk Analysis

Energy Transition

- Carbon Capture and Storage

Basin Analysis

Courses	Instructors	Level	Mode	Duration	Dates	Location
N683a27C: Prospect Evaluation, Risks and Volumes	Jan de Jager	Foundation	Classroom	4 Days	15 Mar - 18 Mar 27	Stavanger, Norway
N087a27C: Play Fairway Analysis and Exploration Prospecting	David Lewis, Andy Pulham	Foundation	Classroom	5 Days	5 Apr - 9 Apr 27	Houston, USA
N343a27C: Depositional Evolution of the GOM Sedimentary Basin	John Snedden	Skilled	Classroom	3 Days	8 Jun - 10 Jun 27	Houston, USA
N522a27V: Integrated Charge Access Evaluation: The Key to Successful Exploration	Leon Dzou	Skilled	Virtual Classroom	5 Sessions	14 Jun - 18 Jun 27	Virtual Classroom
N773a27F: Shaping an Exploration Province: Onshore-Offshore Relationships of Western Norway and the Prolific North Sea and Norwegian Sea Basins (Western Norway)	Ole J. Martinsen	Skilled	Field	5 Days	6 Sep - 10 Sep 27	Norway
N771a26V: Geochemistry and Petroleum System Modeling	Leon Dzou	Foundation	Virtual Classroom	4 Sessions	20 Sep - 23 Sep 27	Virtual Classroom
EC022: Basin Analysis		Foundation	eLearning	8 hours	On-demand	On-line
EC020: Petroleum Generation and Migration		Foundation	eLearning	5 hours	On-demand	On-line
EC021: Play Fairway Analysis		Foundation	eLearning	6 hours	On-demand	On-line

New Course

2026 Re-scheduled Course

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Sedimentology and Stratigraphy

Courses	Instructors	Level	Mode	Duration	Dates	Location
N073a27V: Integration of Sedimentology, Petrophysics and Seismic Interpretation for Exploration and Production of Carbonate Systems	Gregor Eberli	Skilled	Virtual Classroom	5 Sessions	19 Apr - 23 Apr 27	Virtual Classroom
N483a27V: Deepwater Stratigraphy and Facies Analysis from Seismic, Well Data and Outcrops	Mike Mayall	Skilled	Virtual Classroom	6 Sessions	18 May - 27 May 27	Virtual Classroom
N517a27V: Sequence Stratigraphy in Paralic Depositional Systems	Rene Jonk	Skilled	Virtual Classroom	5 Sessions	24 May - 28 May 27	Virtual Classroom
N774a27F: Trends in Reservoir Characteristics across Fluvial and Shallow Marine Clastic Systems (Southern Pyrenees, Spain)	Gary Nichols	Skilled	Field	5 Days	7 Jun - 11 Jun 27	Southern Pyrenees, Spain
N009a27F: Sedimentology, Stratigraphy and Reservoir Geology of Deepwater Clastic Systems (County Clare, Ireland)	Andy Pulham	Skilled	Field	5 Days	11 Jul - 15 Jul 27	County Clare, Ireland
N011a27F: High Resolution Sequence Stratigraphy: Reservoir Applications (Utah, USA)	Lee Krystinik, Andy Pulham	Skilled	Field	5 Days	13 Sep - 17 Sep 27	Utah, USA
N059a27F: Carbonate Systems and Facies Architecture: Exploration and Reservoir Implications (Mallorca & Menorca, Spain)	Juan Ignacio Baceta, Guillem Mateu	Skilled	Field	5 Days	20 Sep - 24 Sep 27	Mallorca and Menorca, Spain
N669a27F: Predicting Clastic Reservoir Properties from Outcrop Analogs: From Continental to Deepwater Systems (Utah, USA)	Anton Wroblewski	Foundation	Field	4 Days	27 Sep - 30 Sep 27	Utah, USA
N523a27V: Sandstone Diagenesis and Reservoir Quality	Richard Worden	Skilled	Virtual Classroom	5 Sessions	27 Sep - 1 Oct 27	Virtual Classroom
N526a27F: Play, Prospect and Field Evaluation, Assessment and Risking: From Shallow Carbonates to Deepwater Clastics (Texas and New Mexico, USA)	Rene Jonk	Skilled	Field	5 Days	4 Oct - 8 Oct 27	West Texas and New Mexico, USA
N751a27F: Deep-Water Clastic Depositional Systems in a Source-to-Sink Context (Pyrenees, Spain)	Rene Jonk	Skilled	Field	5 Days	18 Oct - 22 Oct 27	Pyrenees, Spain

New Course

2026 Re-scheduled Course

Sedimentology and Stratigraphy cont.

Courses	Instructors	Level	Mode	Duration	Dates	Location
N518a27V: Sequence Stratigraphy Applied to Mudstone Source Rocks, Seals and Unconventional Reservoirs	Rene Jonk	Skilled	Virtual Classroom	5 Sessions	1 Nov - 5 Nov 27	Virtual Classroom
N670a27F: Fluvial and Coastal Clastic Depositional Environments (Texas Gulf Coast, USA)	Anton Wroblewski	Foundation	Field	4 Days	8 Nov - 11 Nov 27	Texas Gulf Coast, USA
N442a27F: Reservoir Architecture of Deepwater Systems (California, USA)	Rene Jonk	Skilled	Field	5 Days	15 Nov - 19 Nov 27	California, USA
EC040: Clastic Sedimentology		Foundation	eLearning	12 hours	On-demand	On-line
EC039: Sequence Stratigraphy		Foundation	eLearning	9 hours	On-demand	On-line
EC023: Carbonate Sedimentology (In-development)		Foundation	eLearning	7 hours	On-demand	On-line

Structure and Tectonics

Courses	Instructors	Level	Mode	Duration	Dates	Location
N754a27F: Salt Evolution and Coeval Sedimentation: Applications to Worldwide Evaporite Systems (Utah, USA)	David Lewis	Skilled	Field	5 Days	17 May - 21 May 27	Utah, USA
N772a27F: Interpretation and Analysis of Foreland Basins and Structures in the Wyoming Rocky Mountains with Application to the Permian Basin (Wyoming, USA)	Peter Hennings	Skilled	Field	5 Days	23 Aug - 27 Aug 27	Wyoming, USA
N074a27F: Geological and Seismic Interpretation of Thrust Structures for Exploration and Reservoir Characterization (Montana, USA)	Peter Hennings	Skilled	Field	5 Days	13 Sep - 17 Sep 27	Montana, USA
N753a27F: Analysis of Normal Faulting Mechanisms and Structural Deformation – Taking Faults from Seismic to Static/dynamic Reservoir Models (Utah, USA)	Douglas Paton, David Lewis	Skilled	Field	5 Days	22 Sep - 26 Sep 27	Utah, USA

New Course

Structure and Tectonics cont.

Courses	Instructors	Level	Mode	Duration	Dates	Location
N575a27F: From Sub-Seismic Faults to Rift Basins: Exploration, Appraisal, and Production Insights (Gulf of Corinth, Greece)	Douglas Paton	Skilled	Field	5 Days	4 Oct - 8 Oct 27	Gulf of Corinth, Greece
N657a27C: Seismic Structural Interpretation Techniques	Douglas Paton	Foundation	Classroom	5 Days	15 Nov - 19 Nov 27	Stavanger, Norway
N769: Applied Petroleum Geomechanics	Ken Russell	Foundation	Classroom	4 Days	Dates TBC	Stavanger, Norway
N587a27V: Fault Seal Analysis: Concepts, Methods and Applications	David Lewis	Skilled	Virtual Classroom	5 Sessions	15 Nov - 19 Nov 27	Virtual Classroom
N477a27C: A Systematic Approach to Defining and Evaluating Stratigraphic and Subtle Combination Traps	Mark Thompson, Mike Mayall	Skilled	Classroom	4 Days	22 Nov - 25 Nov 27	London, UK
EC052: Geomechanics for Oil and Gas Projects		Foundation	eLearning	6 hours	On-demand	On-line
EC053: Geomechanics for Geothermal Projects		Foundation	eLearning	4 hours	On-demand	On-line
EC054: Geomechanics for Gas Storage Projects		Foundation	eLearning	4 hours	On-demand	On-line
EC038: Tectonics and Structural Geology (In-development)		Foundation	eLearning	12 hours	On-demand	On-line

Geophysics and Seismic Interpretation

Courses	Instructors	Level	Mode	Duration	Dates	Location
N004a27V: The Essentials of Rock Physics and Seismic Amplitude Interpretation	Eleanor Oldham	Foundation	Virtual Classroom	8 Sessions	5 Apr - 15 Apr 27	Virtual Classroom
N090a27C: Seismic Structural Styles Workshop	Gloria Eisenstadt	Foundation	Classroom	5 Days	2 Aug - 6 Aug 27	Houston, USA
N673a27C: Applied Seismic Interpretation	Rachel Newrick	Skilled	Classroom	5 Days	4 Oct - 8 Oct 27	Houston, USA
N385a27C: Quantitative Reservoir Characterization	Jaap C. Mondt	Skilled	Classroom	5 Days	8 Nov - 12 Nov 27	Stavanger, Norway

New Course

2026 Re-scheduled Course

Geophysics and Seismic Interpretation cont.

Courses	Instructors	Level	Mode	Duration	Dates	Location
N004a28V: The Essentials of Rock Physics and Seismic Amplitude Interpretation	Eleanor Oldham	Foundation	Virtual Classroom	8 Sessions	6 Mar - 16 Mar 28	Virtual Classroom
EC008: Seismic Methods		Foundation	eLearning	7 hours	On-demand	On-line
EC046: Seismic Interpretation (In-development)		Foundation	eLearning	5 hours	On-demand	On-line
EC050: Reservoir Geophysics (In-development)		Foundation	eLearning	9 hours	On-demand	On-line

Petrophysics

Courses	Instructors	Level	Mode	Duration	Dates	Location
N666a27C: Special Core Analysis	Adam Moss	Skilled	Classroom	4 Days	7 Jun - 10 Jun 27	Stavanger, Norway
N083a27V: Petrophysics and Formation Evaluation: Principles and Practice	David Eickhoff	Foundation	Virtual Classroom	6 Sessions	19 Oct - 28 Oct 27	Virtual Classroom
N528a27C: Petrophysics of Tight and Unconventional Oil Reservoirs	Katerina Yared	Skilled	Classroom	3 Days	26 Oct - 28 Oct 27	Houston, USA
N748a27C: Geological Well Log Interpretation	Angel Meso	Foundation	Classroom	5 Days	1 Nov - 5 Nov 27	Houston, USA
N003a28C: Geological Interpretation of Well Logs	Dawn Houliston	Foundation	Classroom	5 Days	27 Mar - 31 Mar 28	Stavanger, Norway
EC013: Foundation Petrophysics		Foundation	eLearning	5 hours	On-demand	On-line
EC014: Petrophysical Tools		Foundation	eLearning	10 hours	On-demand	On-line
EC042: Advanced Petrophysical Interpretation & Formation Evaluation		Skilled	eLearning	7 hours	On-demand	On-line

Reservoir Development

Courses	Instructors	Level	Mode	Duration	Dates	Location
N750a27C: Mature Field Evaluation and Redevelopment	Sharma Dronamraju	Skilled	Classroom	3 Days	13 Apr - 15 Apr 27	Houston, USA
N058a27V: Reservoir Characterization and Geostatistical Modeling; A Data Analytical Approach to Practical Geospatial Reservoir Mapping	Jeffrey Yarus	Skilled	Virtual Classroom	8 Sessions	16 Aug - 26 Aug 27	Virtual Classroom
N386a27F: Reservoir Model Design (Pembrokeshire, UK)	Mark Bentley, Ed Stephens	Skilled	Field	5 Days	6 Sep - 10 Sep 27	Pembrokeshire, UK
N033a27F: Characterisation, Modelling, Simulation and Development Planning in Deepwater Clastic Reservoirs (Tabernas, Spain)	Mark Bentley, Ed Stephens	Skilled	Field	5 Days	13 Sep - 17 Sep 27	Tabernas, Spain
N444a27C: Development Planning For Mature Fields	Jerry Hadwin	Skilled	Classroom	3 Days	26 Oct - 28 Oct 27	Stavanger, Norway
N427a27C: Reservoir Model Design	Mark Bentley	Skilled	Classroom	4 Days	29 Nov - 2 Dec 27	Stavanger, Norway
N305a27C: Core Facies Analysis for Resource Plays	Gus Gustason	Foundation	Classroom	5 Days	6 Dec - 10 Dec 27	USGS, Lakewood, CO
EC001: Geostatistics for Reservoir Modelling		Foundation	eLearning	6 hours	On-demand	On-line
EC024: Introduction to Reservoir Modelling and Simulation		Foundation	eLearning	4 hours	On-demand	On-line

Unconventional Resources

Courses	Instructors	Level	Mode	Duration	Dates	Location
N364a28F: Critical Elements of Unconventional and Fractured Reservoirs: Sedimentology, Diagenesis and Mechanical Stratigraphy (California, USA)	Richard Behl, Jon R. Schwalbach	Skilled	Field	5 Days	23 Jun - 27 Jun 27	California, USA
N406a27C: Unconventional Resource Assessment and Valuation	Creties Jenkins, Mark McLane	Skilled	Classroom	4 Days	8 Nov - 11 Nov 27	Midland, USA

2026 Re-scheduled Course

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Unconventional Resources cont.

Courses	Instructors	Level	Mode	Duration	Dates	Location
N437a27C: Geomechanics for Unconventional and Tight Reservoirs	Neal Nagel	Skilled	Classroom	4 Days	15 Nov - 18 Nov 27	Houston, USA

Reservoir and Production Engineering

Courses	Instructors	Level	Mode	Duration	Dates	Location
N997a27C: Applied Reservoir Engineering	Jerry Hadwin	Skilled	Classroom	5 Days	14 Jun - 18 Jun 27	Stavanger, Norway
N940a27C: Modern Completion and Production Enhancement Techniques	Jonathan Bellarby	Skilled	Classroom	5 Days	20 Sep - 24 Sep 27	Stavanger, Norway
N006a27V: An Introduction to Reservoir Engineering for Geoscientists	Mark Cook	Foundation	Virtual Classroom	5 Sessions	8 Nov - 12 Nov 27	Virtual Classroom
EC026: Reservoir Engineering and Well Optimisation		Foundation	eLearning	3 hours	On-demand	On-line
EC027: Well Completion Technology		Foundation	eLearning	4 hours	On-demand	On-line
EC028: Well Production Operations		Foundation	eLearning	3 hours	On-demand	On-line

Drilling and Well Engineering

Courses	Instructors	Level	Mode	Duration	Dates	Location
N695a27C: Introduction to Drilling, Completion and Workover Operations	Kevin Gray	Foundation	Classroom	5 Days	25 Jan - 29 Jan 27	Stavanger, Norway
N600a27C: Well Planning and Execution	Christine Telford	Foundation	Classroom	5 Days	8 Mar - 12 Mar 27	Stavanger, Norway
N694a27C: Basic Drilling Technology	Kevin Gray	Foundation	Classroom	5 Days	15 Mar - 19 Mar 27	Stavanger, Norway

New Course

2026 Re-scheduled Course

Drilling and Well Engineering cont.

Courses	Instructors	Level	Mode	Duration	Dates	Location
N687a27C: Directional Drilling and Surveying Techniques	Kevin Gray	Foundation	Classroom	5 Days	19 Apr - 23 Apr 27	Stavanger, Norway
N689a27C: Drilling Fluids	Kevin Gray	Foundation	Classroom	5 Days	6 Sept - 10 Sept 27	Stavanger, Norway
N691a27C: Well Integrity Management and Barrier Verification	Kevin Gray	Foundation	Classroom	5 Days	8 Nov - 12 Nov 27	Stavanger, Norway
N693a27C: Casing Design and Well Integrity Engineering	Kevin Gray	Foundation	Classroom	5 Days	6 Dec - 10 Dec 27	Stavanger, Norway
EC025: Well Planning and Drilling Operations		Foundation	eLearning	6 hours	On-demand	On-line
EC036: Delivering Exploration & Appraisal Wells Safely		Foundation	eLearning	9 hours	On-demand	On-line

Data Analytics, Commercial and Risk Analysis

Courses	Instructors	Level	Mode	Duration	Dates	Location
N755a27V: Asset Management in the Oil and Gas Industry	Joel Turnbull	Foundation	Virtual Classroom	5 Sessions	12 Apr - 16 Apr 27	Virtual Classroom
N995a27C: Modelling & Managing Uncertainty in the Subsurface	Pete Smith	Skilled	Classroom	4 Days	12 Apr - 15 Apr 27	Stavanger, Norway
N759a27C: Applied Data Science and Machine Learning for Upstream Professionals	Vitali Molchan	Skilled	Classroom	5 Days	17 May - 21 May 27	Houston, USA
N014a27V: Petroleum Economics and Risk Analysis	Mark Cook	Foundation	Virtual Classroom	5 Sessions	21 Jun - 25 Jun 27	Virtual Classroom
N759b27C: Applied Data Science and Machine Learning for Upstream Professionals	Vitali Molchan	Skilled	Classroom	5 Days	18 Oct - 22 Oct 27	Stavanger, Norway
EC055: Geostatistics for the Energy Industry		Foundation	eLearning	10 hours	On-demand	On-line

New Course

2026 Re-scheduled Course

Carbon Capture and Storage

Courses	Instructors	Level	Mode	Duration	Dates	Location
EC019: Resource, Risk and Economics Assessment		Foundation	eLearning	11 hours	On-demand	On-line
EC003: Fundamentals of Carbon Capture and Storage (CCS)		Foundation	eLearning	4 hours	On-demand	On-line
EC004: Geological Storage of CO_2		Foundation	eLearning	4 hours	On-demand	On-line
EC005: Behaviour of CO_2 in Reservoirs		Foundation	eLearning	6 hours	On-demand	On-line
EC006: Monitoring CO_2 Storage		Foundation	eLearning	4 hours	On-demand	On-line
EC007: Petrophysics for CCS		Skilled	eLearning	7 hours	On-demand	On-line

Course Access

Scheduled courses

We deliver field, classroom and online courses focusing on core skills development and current challenges facing the E&P industry. 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.

eLearning courses

Offered independently or as part of a blended learning program, our on-demand e-learning courses immerse learners in a rich variety of content and interactive media to provide a personalised learning experience.

Courses can be accessed either 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.

To book a course or make an inhouse course enquiry please contact us:

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