



PROCESS AND CHEMICAL ENGINEERING

Gas Conditioning for Oil and Gas Operations

5 day course

Classroom, online or in-house

Course overview

Raw gas leaving a wellhead is nowhere near a pipeline or sales specification, and the conditioning steps between the two determine both product quality and the integrity of everything downstream. This course covers those steps. Delegates work through inlet separation and slug handling, hydrate prevention and inhibition, dehydration by glycol and by solid desiccant, and hydrocarbon dew point control. Compression and its role in the conditioning train are covered, along with the specifications that each downstream user imposes. The course closes on troubleshooting: wet gas reaching a pipeline, glycol losses, and the operating changes that most often cause a unit to fall out of specification.

What you will learn

- Describe the conditioning train from wellhead gas to sales specification
- Design inlet separation and handle slugging
- Predict hydrate formation and select an inhibition strategy
- Operate glycol and solid desiccant dehydration units
- Control hydrocarbon dew point
- Integrate compression into the conditioning train
- Troubleshoot wet gas, glycol loss and off specification product

Who should attend

- Gas processing and production engineers
- Operations and panel staff on gas facilities
- Maintenance engineers on conditioning units
- Pipeline operators receiving conditioned gas
- Graduate engineers entering gas operations

Course outline

- 01 The conditioning train and the specifications driving it
- 02 Inlet separation and slug handling
- 03 Hydrate formation and prevention
- 04 Glycol dehydration
- 05 Solid desiccant dehydration
- 06 Hydrocarbon dew point control
- 07 Compression in the conditioning train
- 08 Troubleshooting wet gas and glycol losses

Upcoming dates

Dates	Venue	Format	Fee per delegate
11 to 15 January 2027	Windhoek, Namibia	Classroom	R19,950
15 to 19 February 2027	Pretoria, South Africa	Classroom	R19,950
8 to 12 March 2027	Lagos, Nigeria	Classroom	USD 1,325
15 to 19 March 2027	Online	Online	R8,500



Fees and how to register

This 5 day course is **R8,500** per delegate online, **R19,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 1,325** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afri-science.co.za, or WhatsApp us on **+27 63 479 1136**.

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