Part-Time and Distant Training Programs (2016)

Brochure

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In addition to training, we offer an encompassing recruitment services through Jobs Club International (JCI) Platform

www.abconworld.com
PART-TIME AND DISTANT TRAINING PROGRAMS - 2016

PROGRAMS DETAILS

The following are the part-time and distant programs available and starting **July 20, 2016**.

Closing date for registration and associated fees:

<table>
<thead>
<tr>
<th>TRAINING PROGRAM</th>
<th>Register/Book on or before June 30, 2016</th>
<th>Book/register between July 01, 2016 and July 08, 2016</th>
<th>Book/register after July 08, 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Training Graduate Diploma in Oil and Gas Engineering (Abconworld Group, LLC Program) 50% Scholarship DISTANT AVAILABLE NOW</td>
<td>US$1400</td>
<td>US$1800</td>
<td>US$2800</td>
</tr>
<tr>
<td>2. Fundamentals of Oil and Gas Production Engineering (IBC Distant Academy – UK Program via Abconworld Group, LLC) Apply by sending email to <a href="mailto:applications@abconworld.com">applications@abconworld.com</a> NOT AVAILABLE NOW</td>
<td>US$2560</td>
<td>US$2720</td>
<td>US$2880</td>
</tr>
<tr>
<td>4. Training Graduate Diploma in Project Management DISTANT AVAILABLE NOW</td>
<td>US$1400</td>
<td>US$1600</td>
<td>US$2800</td>
</tr>
</tbody>
</table>
Note: Late registration closes on **July 15, 2016**. Register early to save over US$1400 and enjoy 50% Scholarship on Program number 1 & 4 (One).

To register/book, please use the “Apply Now” button above at [https://abconworld.com/application/](https://abconworld.com/application/)

**Delivery mode: Part-time and distant.**

Logon to our online application portal at [https://abconworld.com/training-program-2016/](https://abconworld.com/training-program-2016/) and apply for the next GDOGE, Project Management or Rope Access programs.

**Please note that Program number 2 (two) is not available at this moment.**

Fees payment are accepted by wire transfer to Bank of America account, with the following details:

**Bank:** Bank of America  
**Account Name:** Abconworld Group, LLC  
**Account number:** For security reason send an email to applications@abconworld.com for account number.  
**Routing Number:** For security reason send an email to applications@abconworld.com for routing number  
**International SWIFT Code:** For security reason send an email to applications@abconworld.com for SWIFT Code

**Bank Address:**  
Bank of America  
TX5-326-01-01,9710 Bissonnet St.  
Houston, TX 77036  
United States. Tel.: +1 713 774 2734

Applicants/Trainees are responsible for payment of all bank charges associated with fees payment through wire transfer. Applicants/Trainees across various countries must make wire fees payment at their own bank to Bank of America account details outlined above.

Applicants/Trainees outside Africa must use the online payment portal/gateway.
Training Materials delivery mode for Distant Training Programs includes the following:

1. Hard Copy Training Manual (Delivered via FedEx to trainee's Physical Address)
2. Training Videos (Delivered via FedEx to trainee's Physical Address)
3. Webinar / training (Delivered via the internet)

Distant trainees are required to undertake industrial attachment in any country of their choice. An introductory letter from Abconworld Group, LLC will be given to all trainees to aid in securing an industrial attachment opportunity within the global Oil and Gas industry.

PROGRAM OUTLINE
1. Training Graduate Diploma in Oil and Gas Engineering (GDEOGE) –
   By Distant Training
   (Delivered over 12 weeks)

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**Exploration and Drilling**
- Introduction to General Exploration and Drilling
- Process Overview
- Reservoir and Wellheads
- The Oil and Gas Process
- Utility Systems

**Operations & Maintenance**
- Pumps
- Compressors
- Distillation
- Electrical Equipment
- Mechanical Equipment
- Heat Exchangers
- Valves
- Separators
Health, Safety & Environment (HSE)

- Offshore Orientation/ Safety Induction
- Hazard Awareness
- Permit to Work
- Hydrogen Sulphide Awareness (H2S)
- Firefighting
- Emergency Response
- Incident Command
- Safety & Prevention
- Hazards Exposure
- Chemical & Explosive Response
- Oil Spill Response
- First Aid

For program number 1 (one), graduates with any of the following backgrounds are qualified automatically to apply:


Applicants must be 19 years old and above and not more than 55 years old.

NOTE: The GDOGE is now opened to all graduates who desire to take up a career in the global oil and gas sector.
2. Oil and Gas Production Engineering – By Distant Training
(Delivered over 12 weeks) – NOT AVAILABLE NOW

The six detailed modules of this program are designed to teach how to optimize a production system and maximize the recoverable reserves from an oil and gas field. During the course you will study:

Module One: Components and Performance Analysis of Petroleum Production Systems

This module defines the basic components of integrated petroleum production systems. It then introduces the principal tools and techniques of performance analysis from reservoir rock and fluid properties to inflow, outflow, and choke analysis.

- Upstream, midstream and downstream sectors of the petroleum industry
- Components of petroleum production systems
- Reservoir rock properties
  - Porosity, saturation, absolute, effective and relative permeabilities
  - Oil and natural gas properties
  - Viscosity, z-factor, water senility, phase diagram analysis
  - Classification of five different reservoir fluids
  - Gas hydrates: formation and recovery process
- Analysis of inflow, outflow, and choke performance
  - Development of inflow and outflow curves
  - Calculation of choke production rate
  - Selection of tubing size
  - Prediction of Absolute Open Flow (AOF)

Module Two: Oil and Gas Processing and Surface Facilities

Examining the fundamental processes involved in oil and gas production as well as the surface facilities required. The module describes different types of well completion before illustrating the operations such as separation used to process and purify oil and gas.

- Components of a typical well
- Different types of well completion
- Production processes and surface facilities
- Different types and selection of separators
- Surface facilities and required processing operations
• Oil processing operations
  - Separation, measurement and storage
• Gas processing operations
  - Gas plant and gas compression
  - Dehydration and sweetening

**Module Three: Flow Assurance, Monitoring and Evaluation**

Flow assurance is critical in oil and gas production engineering, ensuring the optimal movement of petroleum from pay zone to market. It encompasses a diverse range of techniques and technologies. After comparing different approaches to flow analysis, the module gives detailed explanations of the numerous flow assurance methods used to maximize production.

• Flow evaluation, performance monitoring and diagnosis
  - Production Decline Curve Analysis (DCA)
  - Well testing analysis
  - Production Logging Tools (PLT)
  - Cement quality control
  - Production monitoring and calculations
• Overcoming flow assurance challenges
  - Networking
  - Multiphase flow
  - Scale inhibitors
  - Well pressure changes
  - Wax and asphaltene inhibitors
  - Gas hydrate inhibitors.
• Production planning and optimization

**Module Four: Formation Damage and Methods of Well Stimulation**

This module shows how to minimize the effects of formation damage on the permeability of the porous media. It then demonstrates how production can be further enhanced through analysis of the pay zone and implementation of well stimulation techniques.

• Formation damage: sources, mechanisms and treatment techniques
• Fluid flow in vertical and horizontal wells
• Different techniques of well stimulation
  - Matrix acidizing
  - Hydraulic fracturing
  - Acid fracturing
  - Frac packs
Module Five: Methods of Artificial Lift and Workover Operations

Continuing the focus on increasing the flow of oil and gas from the well, this module examines the main methods of artificial lift, describing how they are selected for different scenarios. It continues by illustrating the various workover interventions, which may be used to maintain or extend production.

- Types of artificial lift methods
  - Gas lift
  - Sucker rod pumping
  - Electrical Submersible Pump (ESP)
  - Hydraulic pumps (piston and jet)
  - Progressive Cavity Pump (PCP)
  - Plunger lift
- Selection criteria for artificial lift methods
- Essential workover operations

Module Six: Offshore Production Systems and Operations

With over two-thirds of the globe covered by water, offshore production is an increasingly important sector requiring specialized equipment and techniques. This module highlights the key differences between onshore and offshore operations, finishing with an analysis of the ever-critical issues relating to health, safety and the environment.

- Major elements of offshore production systems
  - Platforms, wellhead, wells and processing systems
- Major components of smart platforms
- Treatment of produced water
- Treatment of produced gas
- Dehydration and compression
- Management of production projects and operations
- Health, Safety and Environmental (HSE) issues

Both engineers and non-engineers are welcome to apply for the Fundamentals of Oil and Gas Production Engineering - Program number 2 (two).
3. Rope Access (IRATA & SPRAT) Training
Available in the US Only

Recommended for:
Anyone who wishes to work at heights on rope.

Course Objectives
A Level I Technician is capable of performing a limited range of rope access tasks required by his or her employers under supervision of someone with a minimum Level III Rope Access skills. An audit of skills and knowledge will allow students to demonstrate sound judgment and abilities in rigging and rescue. A worker trained in Rope Access Level I is:

- Responsible for all his/her own equipment: i.e. ropes, harnesses, carabiners, etc. and recording and checking the same;
- Able to assist in rigging and non-standard operations under the guidance of a higher grade;
- Able to undertake a rescue involving descent by him/herself and have a knowledge of hauling systems; and is
- Not allowed to supervise others.

Course Description
This intensive training program is designed to ensure students are competent in all Industrial Rope Access techniques currently used in a variety of exposed situations. You will learn the fundamentals of working on rope in an interactive training environment. Rescue is a vital component of this course and is stressed throughout in a variety of practical scenarios.

Logistics
- Course Length: 1 week
- 1 instructor per 8 students
- Pre-requisite: medical

Level 1, 2 and 3 are available
4. Distant Training Graduate Diploma In Project Management– By Distant Training

PROGRAM OUTLINE
Introduction to the Project Manager’s Toolkit
Introducing key concepts and providing practical tools and techniques to start your project management development.

• Introduction and overview of projects:
  – What is a project?
  – How does project management differ from ‘normal’ management?
• The role of the Project Manager
• Experience vs. learning
• The value of information
• An introduction to knowledge management
• Fundamentals of problem solving
• Fundamentals of conflict resolution
• Fundamentals of leading a team
• Managing the interface
• Basic negotiation
• Survival strategies when things go wrong
• The concepts of risk and contingency

Effective Communication and its Role in Project Management
This module shows how effective communication can be used throughout the project life cycle to define issues, gain commitment, lead project teams and make presentations to key stakeholders.

• Definition and overview
• Forms of communication
• Factors that impact on communication
• How to be an effective communicator
• The importance of presentation skills

Project Initiation, Scope, Lifecycle and Finance
A comprehensive analysis of the shape, structure and flow of projects from beginning to end. This module also introduces the core financial concepts of project management.
• The project business case
• The importance of the sponsor/senior management commitment
• The project scope
• The project lifecycle
• Fundamentals of project finance

**Project Planning, Scheduling and Resourcing**
Presenting the most effective theories and techniques to ensure your projects run smoothly and deliver on time, cost and quality.

• Overview and introduction
• Network diagrams and the critical path
• The Gantt Chart
• Cost, time and resources
• The Work Breakdown Structure
• The Work Package
• An introduction to resource issues and problems
• Resource scheduling
  – Explaining 'HAT” (Higher Advancement and Tail-off)
• Resource loading issues
• Contingency planning

**Understanding Resources and the Supply Chain**
A vital examination of how the resources needed for successful projects are delivered, within and outside your organization.

• Types of resources
• Resource constraints
• Project crashing
• Lead time management
• Identifying critical lead times
• Inventory management
• Length of supply chain
• Types of supply chain
• Switching and the substitution effect
• Understanding internal vs. external suppliers
• Competitive vs. co-operative strategies (internal dimension)
Understanding Organizational Structure and Culture
No project stands alone – it is inextricably linked to the organization it changes. The final module allows you to gain the most from this complex relationship.

- An analysis of differing organizational structures
- Potential impact on the project
- Efficiency and effectiveness of structure
- The interface between organizational and project structure
- The interface between organizational structure and culture
- The interface between structure, culture and resource management
- Internal vs. external cultural factors
- How culture defines and differentiates the organization
- Cultural issues connected to technology
  - Working within the ‘virtual’ environment
- Challenges associated with remote team working