



iSkill™ ISQ in Blasting and Painting (Oil and Gas Industry)

BDQF Level 2

What is an iSkill™ Programme

iSkill™ is a new programme, developed in close collaboration between the relevant industry with the support of the Manpower Industry Steering Committee Working Group together with Institute of Brunei Technical Education (IBTE).

iSkill™ programmes are designed to match the industry needs and expectations of our local workforce, opening up potential job opportunities leading to professional career pathway in the relevant skill pools.

iSkill™ programmes are developed to meet the international standards and aim to produce skilled workforce with greater occupational skill level in support of Brunei Wawasan 2035.

Who is it for?

iSkill™ ISQ in Blasting and Painting (Oil and Gas Industry) are for Bruneians who wish to seek a professional skills career as a **qualified Blaster Painter** in the oil and gas industry.

Qualification specification:

What is included in the qualification?	<p>The qualification has been designed to provide the relevant occupational knowledge and skills required to progress to towards becoming a competent Blaster Painter in the oil and gas industry.</p> <p>The qualification also provides learners with the necessary skills and knowledge to prepare them to undertake recognized Blaster Painter certification</p>
What progression routes are there?	<p>The qualification provides learners with the opportunity to progress and develop to advanced Blasting and Painting career roles or to undertake iSkills™ advanced awards in Blasting and Painting (Oil and Gas Industry) and enhance their Blasting and Painting subject knowledge and skills.</p>

Qualification structure:

Unit No	Unit Code	Unit title	Recommended Guided Learning Hours (GLH)
01	iSkills-GEN-01-00	Islamic religious knowledge	50
02	iSkills-GEN-02-00	Malay Islamic monarchy (Melayu Islam Beraja)	50
03	iSkills-GEN-03-01	Workplace information technology	30
04	iSkills-GEN-04-01	Workplace numeracy	30
05	iSkills-GEN-05-01	Workplace communication	40
06	iSkills-GEN-06-00	Life skills for personal development	--
07	iSkills-GEN-07-03	Understand health, safety and environment processes for blasting and painting in the oil and gas industry	120
08	iSkills-GEN-08-03	Apply health, safety and environment practices for blasting and painting in the oil and gas industry	80
09	iSkills-GEN-09-00	Engineering science	50
10	iSkills-GEN-10-00	Oil and gas industry operation (Brunei)	50
11	iSkills-BPR-01-00	Introduction to blasting and painting	50
12	iSkills-BPR-02-00	Surface blasting operations	175
13	iSkills-BPR-03-00	Surface painting operations	175
Total recommended Guided Learning Hours (GLH)			900
Total recommended Total Qualification Time (TQT)*			1600

***Total Qualification Time (TQT)** is the total amount of time, in hours, expected to be spent by a Learner to achieve a qualification. TQT includes both guided learning hours (GLH) and other hours to be used in assessment preparation, skills and knowledge study and also the assessments themselves.

Assessment criteria

These will be defined and expressed in an assessment specification for this qualification.

Assignment	<p>An assignment is a task/problem-based assessment with clear guidelines and structure</p> <ul style="list-style-type: none"> Assignments provide opportunities for learners to demonstrate their practical skills, knowledge and understanding for defined learning outcomes (as specified by the unit assessment requirements) Assignments are internally set by the training provider to meet specified unit assessment learning outcomes Assignments can be open or closed book (as specified by the unit requirements) Assignments do not require invigilation but must be the learner's own work Assignments are marked by occupationally competent staff and quality assured by the training provider
Examination	<p>An exam is an oral or written set of; internally set and internally marked questions</p> <ul style="list-style-type: none"> Exams can be open or closed book (as specified by the unit requirements) Exams are assessments carried out under controlled invigilated conditions Exams are marked by technically competent staff and quality assured by the training provider
Portfolio	<p>A portfolio of evidence contains the proof that a learner has attained, and can apply, the knowledge, skills and behaviours defined in the qualification units. Evidence that is sourced from industry placement for performance learning outcomes must be naturally occurring and assessed on a minimum of two occasions.</p>

Life Skills for Personal Development: In addition to the formal assessment methods defined, the qualification also includes an assessment unit based on personal development. This relates to appropriate behaviours being demonstrated by a learner throughout the qualification duration. Although the elements of these behaviours are discrete, they are assessed by the award tutor/assessor as part of embedded performance within the formal assessed award units.

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Programme Objectives: To provide occupational skills to enable them to understand the blasting and painting of surface, blasting set-up, blasting equipment, compressor maintenance procedures, tools and accessories, inspection tools used in blasting and painting

Expectations: At the end of the programme, the students will be able to: understand the roles of a blaster painter • blast in accordance to industries standard • inspect substrate using inspection tools • rectify imperfections where needed • select proper Personal Protective Equipment (PPE) • masking for sensitive equipment • perform degreasing/solvent wash • perform hand and power tool cleaning • clean and proper storage of tools • cleaning of blasted area • select correct paint • inspect of paint equipment safety before usage • blow and clean painting area • mix industrial paint • perform spray painting • sand down for immediate coating • perform touch-ups and final stenciling • assess coating with accordance to industry standards • housekeeping cleaning and proper storage of tools

Entry Requirements:

- Completion of Year 10 (Express) or Year 11 or any equivalent qualifications
- Age 18 to 25
- Pass interview
- No color appreciation deficiency
- Able to work in extreme environments (heat, outdoor and height)
- Pass Medical Fitness

Programme Structure:

Semester 1: IBTE	Semester 2: RTO
<ul style="list-style-type: none"> ➤ Islamic Religious Knowledge (5 CV) ➤ Melayu Islam Beraja (5CV) ➤ Life Skills for Workplace ISQ (10CV) ➤ HSSE (15CV) ➤ Introduction to Oil and Gas Industry (5CV) ➤ Fundamental Engineering Science (5CV) 	<ul style="list-style-type: none"> ➤ Introduction to Blasting and Painting (7.2CV) ➤ Blasting and Painting Theory (4.8CV) ➤ Blasting and Painting Practical (32CV) ➤ Industrial Placement (IP)
LIFE SKILL PERSONAL DEVELOPMENT	

*1 CV = 10 hours

Duration:

1 year inclusive of 3 months Industrial Placement (IP)

Mode of Training:



Award:

IBTE Industrial Skills Qualification (ISQ) Certification with satisfactory passed and fulfilled the followings:

1. A minimum 85% of the overall attendance,
2. Accumulate the required numbers of credits for the programme of study, **AND**
 - a) Passed the British Gas Associated Scheme 5A and 5B (BGAS) certification, **OR**
 - b) Any equivalent certification such as NACE CCA and SSPC C7 and C12 issued by the Registered Training Organisation (RTO), **OR**
 - c) Passed the Trade Test set by the relevant industry bodies



“Inspiring Bruneians Towards Excellence”

IBTE Vision

A Dynamic Technical Education Institution embracing Lifelong Learning

IBTE MISSION

“Nurturing Learners to Be Highly Competent and Socially Responsible Towards Building A Dynamic Economy”

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