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Organization

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Международная
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منظمة الطيران
المدني الدولي

国际民用
航空组织

Ref.: TC 2/3.143 (17/801) - 19/72

4 October 2019

Subject: Qatar-ICAO Developing Countries Scholarship
Programme 2019

Action required: To note information and, if interested,
complete the on-line Scholarship Nomination Form

Sir/Madam,

I have the honour to refer to the jointly established Qatar-ICAO Developing Countries Scholarship Programme 2019 which is sponsored by the Qatar Civil Aviation Authority (QCAA) and the Qatar Aeronautical College (QAC) and jointly administered by QCAA, QAC and the Technical Cooperation Bureau of the International Civil Aviation Organization (ICAO).

I am pleased to announce that in 2019, under the above Programme, training in seven areas will be offered in the English language to five (5) participants from non-Arabic speaking developing countries. Details on the two-year diploma programmes offered as well as the terms and conditions applicable to the scholarships are explained in Attachments A and B. It is important to note, however, that course content and course delivery are outside the Organization's purview and hence the sole responsibility of the QCAA and QAC. Kindly note that States having submitted applications will be informed of the result of the selection at least six weeks prior to the commencement of the course.

Accept, Sir/Madam, the assurances of my highest consideration.

Fang Liu
Secretary General

Enclosures¹:

- A — Information on Qatar-ICAO Developing Countries Scholarship Programme 2019
- B — Diploma programme details

¹ In English only

Qatar-ICAO Developing Countries Scholarship Programme 2019

1. Overview

In November 2017, the Government of Qatar and ICAO jointly established a Memorandum of Understanding (MoU) to jointly administer a scholarship programme called the Qatar-ICAO Developing Countries Scholarship Programme (“DCSP”) in order to provide training scholarships for participants to be nominated by and selected from designated non-Arabic speaking ICAO Member States (“Developing Countries”).

The objective of this Programme is to augment the capabilities of the Developing Countries to implement the ICAO Standards and Recommended Practices and to promote the safety and development of civil aviation.

The Developing Countries to be designated shall generally be countries that are most in need of assistance especially in the area of aviation training.

Five participants will be awarded Scholarships to follow any of the seven QAC two-year diploma programmes set forth below.

The training programmes will be conducted in the English language by lecturers and specialists selected by QCAA and will take place in Qatar on QCAA and QAC premises.

2. Training programmes and dates

Two-year diploma programme title	Start Date	Application deadline
Pilot Training	2 February 2020	8 November 2019
Aircraft Maintenance	2 February 2020	8 November 2019
Airport Operations	2 February 2020	8 November 2019
Air Traffic Control	2 February 2020	8 November 2019
Meteorology	2 February 2020	8 November 2019
Foundation Program	2 February 2020	8 November 2019
Advance Aviation Management	2 February 2020	8 November 2019

3. Training Institute

Qatar Aeronautical College (QAC) was founded in 1977 as the Civil Aviation College of the Gulf States. QAC is now the Gulf region’s leading provider of training for the aviation industry. QAC offers full-time, approved courses for Pilots, Aircraft Maintenance Engineers, Air Traffic Controllers,

Meteorologists, Airport Operations Management Personnel and Flight Dispatchers, as well as short courses in a wide variety of aviation-related disciplines.

4. Training content

Courses consist of classroom lectures, simulators, library, Learning Management System, workshops, case studies and on-site visits.

Note: — Detailed information on the courses offered is provided in Attachment B.

5. Expenses

The QCAA and the QAC will bear the following expenses for successful applicants:

- Tuition fees
- Accommodation for the entire duration of the training programme in Qatar

Transportation to site visits (such as hangars) is provided and arranged by the QAC.

QAC is not responsible for the medical insurance of the scholars.

Transport to and from the scholar's home country has to be borne by the scholar's Government Authority. Scholar's Government Authority should make arrangements for the participants to arrive in Qatar one day prior to the commencement of the training programme and to depart Qatar one day after the training completion.

6. Process of application and selection

- a) Complete the on-line Nomination Forms at <https://www.caa.gov.qa/en-us/HR/Pages/iScholarship.aspx> by the given closing dates.
- b) Participants from non-Arabic speaking Developing Countries will be selected from the scholarship applications received. Selection criteria include candidate's qualification as well as balanced distribution of scholarship awards in all regions.
- c) Applicants will get award letters or letters of rejection from ICAO according to the selection made by the QCAA and the QAC.

7. Contacts

Please e-mail to aziza.alyahri@caa.gov.qa for any matter about the training programme.

**PILOT TRAINING
PILOT TRAINING DIVISION
(PTD)**

Integrated Airline Transport Pilot License (ATPL) course

(February 2020 to February 2022)

PURPOSE

The QAC PTD's flight training programme is based on the UK CAA's integrated course of training. It is approved by QCAA and mirrors the EASA Flight Crew Licensing training procedures. It is designed to take suitably capable cadets with no previous flight experience to the right hand seat of a commercial airliner in minimal time.

WHAT YOU WILL LEARN

QAC offers a 24 months full time Diploma in Aviation Studies programme leading to the issue of a QCAA Commercial Pilot License (CPL) with Multi-Engine Class Rating, and an Instrument Rating (IR). Upon gaining flight experience, this license is then automatically eligible for upgrade to a QCAA Airline Transport Pilot's License (ATPL (A)).

WHAT IS COVERED

The Integrated ATPL (A) course consists of 847 hours of theoretical knowledge training delivered over three stages, leading to 14 QCAA examinations in the following subject areas:

- Air Law
- Aircraft General Knowledge
- Aircraft Performance
- Human Performance and Limitations
- Meteorology
- General Navigation
- Radio Navigation
- Instrumentation
- Flight Planning & Monitoring
- Operational Procedures
- Principles of Flight
- Communications (2 exams)
- Flight Planning & Monitoring

On the flying side, our syllabus contains a total of 186 hours of actual flight training, consisting of:

- 144 hours in the Diamond DA40 single-engine aircraft,
- 42 hours in the Diamond DA42 multi-engine aircraft,

- A further 53 hours of procedural training conducted in the college's DA40 (single engine) and DA42 (multi-engine) flight navigation procedural trainers.

There are progress tests at the end of each flying phase and two QCAA Flight Tests resulting in the issuance of a QCAA Commercial Pilot License in a Multi-Engine Airplane with Instrument Flying privileges.

The Integrated ATPL course concludes with a 3 week long, 40 hours Jet Orientation and Multi-Crew Cooperation course in the college's Cessna Citation Jet or A320 simulator. At this point, the freshly graduated cadets are ready for type training with an airline. A typical entry-level aircraft would be the Airbus A320.

LEARNING ACTIVITIES

The Integrated ATPL course is a tight time bound intense course. The key thrust is to learn the theoretical concepts in a classroom environment and then applying this underpinning knowledge to achieve an effective, safe and realistic flying training experience. The student performance is monitored by an established Progress and Assessment Monitoring System (PAMS) which involves a series of planned progress tests/ exams/ competency checks at various milestones. This entails that the student has to be a full time student and actively participate in classroom activities and practical training. QCAA regulation mandates that the student has to complete a minimum of 750 hours of theoretical classroom attendance for issue of the licence.

WHO SHOULD ATTEND

This programme is benefited to candidates who have successfully completed senior secondary school with mathematics and physics and have good proficiency in English. The Pre-entry requirements are as follows:

- a. Minimum age 17 years.
- b. Achieve IELTS scores: Reading 5.5, Listening 5.5, Speaking 5.5 and Overall 5.5.
- c. Achieve passes in all subjects in the Foundation Program, (Maths 75% and Physics 75%) and / or provide educational equalisation certificates.
- d. Hold a valid Qatar Class 1 Medical Certificate.
- e. Have passed the Maths and Physics examinations set by QAC and have achieved a grade 5 or above in the Pilot Aptitude Test (PILAPT).

APPLICATION CLOSING DATE

8 November 2019.

AIRCRAFT MAINTENANCE
(February 2020 to February 2022)

PURPOSE

The Aircraft Maintenance Engineering basic programme is approved to deliver the Subject Modules listed in Approved Curriculum Manuals for Category A1 and Category B.

WHAT YOU WILL LEARN

Subject Modules are designed to meet or exceed the requirements of Part 66. Successful completion of all the necessary Subject Modules, including practical training, designated for a particular Category or Sub-Category, along with meeting attendance requirements, will entitle the student to a Certificate of Recognition as having completed an approved Part 147 basic training programme. Students may qualify in more than one Category or Sub-Category.

WHAT IS COVERED

The curriculum is divided into Subject Modules identified in Part 66. Subject Modules are further divided into goals which are also identified with the numbered topic headings specified in Part 66. The nominal number of instructional hours scheduled for the Category B Subject Modules are shown in the table below:

Subject Module	Code	B1.1	
		Theor y	Practical
Mathematics	B/1	45	
Physics	B/2	50	
Electrical Fundamentals	B/3	150	50
Electronic Fundamentals	B1/4	35	15
Digital Techniques and EIS	B1/5	60	15
Materials and Hardware	B/6	100	25
Maintenance Practices	B/7	275	375
Basic Aerodynamics	B/8	50	
Human Factors	B/9	50	
Aviation Legislation	B/10	50	
Aeroplane Aerodynamics, Structures and Systems	B/11A	425	275
Gas Turbine Engines	B/15	125	30
Propellers	B/17	25	20
On-The-Job Training	B/PWE		350

LEARNING ACTIVITIES

Knowledge training takes place, primarily, in a classroom however field trips or short visits to workshops may be included where it would enhance or reinforce the knowledge training.

Practical learning & assessment will be by means of demonstrating successful completion of a number of tasks which are representative of tasks related to a significant range of inspections, testing and other maintenance tasks.

The Practical Work Experience (PWE) is the final learning component. This takes place in the Qatar Airways facility for 350 hours of “live” training on in-service aircraft under the supervision of qualified Engineers approved by Qatar Airways and Qatar Aeronautical College.

WHO SHOULD ATTEND

Students who possess technical skills or have a keen interest in acquiring the skills will benefit from the detailed learning within the programme. Prior to pursuing a career in aviation engineering (or a related field) the fundamentals of engineering principles and practices are gained throughout the programme.

Students must have IELTS grades of at least 5.5 Overall, 5.5 in Reading and 5.5 in Writing or an equivalent. Students who have an overall 6.0 in IELTS and at least 5.0 in Reading and Writing may also be considered.

APPLICATION CLOSING DATE

8 November 2019.

AIRPORT OPERATIONS
(February 2020 to February 2022)

PURPOSE

This programme provide participants with a broad understanding of Airport and Ground Operations in the areas of Terminal and Landside, Airside Operations and Business Operations and prepare them with the knowledge to successfully address the operational and business needs of the modern airport.

Upon completion of the programme, the candidates will be able to understand the role airports play in the economy, discover the various airport customers and partners, gain knowledge about the multiple operational and business functions of the airports, acquire the tools to apply their knowledge and skills to their airport environment, control and supervise the airport in a self-handled or outsourced environment.

WHAT IS COVERED

The course is spread in to four semesters in two years duration in which an in depth study of subjects like Introduction to Airline Industry, Airport Operations, Air Traffic Fundamentals, Ground Operations Management, Airline Customer Services, Aviation Security Awareness, Technical Report Writing, Airside Operations, Terminal & Landside Operations, Airport Business Operations, Airport Concession Management, Airport Master Planning, Research Methodology & On the Job Training.

LEARNING ACTIVITIES

Classroom Training & Discussions involve national and international studies demonstrate a direct correlation between classroom attendance and grade performance. Because much of the learning takes place via classroom activities and group interaction and attendance is essential. Attendance equates to showing up on time, listening, turning in assignments and participating in class discussions.

WHO SHOULD ATTEND

This programme benefits candidates who have successfully completed senior secondary school with a good proficiency in English with IELTS 5.5.

APPLICATION CLOSING DATE

8 November 2019.

AIR TRAFFIC CONTROL
(February 2020 to February 2022)

PURPOSE

This programme provides participants with necessary knowledge, skills and attitudes required to undertake On Job Training (OJT) at an Air traffic control unit under the supervision of a licensed air traffic control officer for rating training, in order to be issued with an Air Traffic Control license.

WHAT YOU WILL LEARN

Upon completion of this programme, the participants will be able to undertake On Job Training (OJT) at an Air traffic control unit under the supervision of a licensed air traffic control officer for rating training, in order to be issued with an Air Traffic Control license.

WHAT IS COVERED

The diploma course provides a comprehensive study and training of all aspects of air traffic Management and includes the following subjects:

- Air traffic management,
- Aviation law,
- Meteorology,
- Navigation, Aircraft,
- Equipment and systems,
- Human factors,
- Aerodromes, Abnormal and emergency situations and
- Simulator practical training which introduces students to the practical aspects of air traffic management.

LEARNING ACTIVITIES

Learning activities consist of classroom lectures, case studies, on-site visits and practical training (simulator exercises) in a 3-D Aerodrome Control simulator which supports surveillance and non-surveillance training.

WHO SHOULD ATTEND

This programme benefits anyone who is interested in making a career as an Air traffic controller.

APPLICATION CLOSING DATE

8 November 2019.

Meteorology
(February 2020 to February 2022)

PURPOSE

This programme provides an in depth study on Meteorological subjects as per WMO standard, to prepare the students to earn a Diploma in Meteorology and to enter the workforce as qualified meteorological personnel in the National Met Service.

WHAT YOU WILL LEARN

Upon completion of the programme, the candidates will be able to perform as meteorological personnel in various atmospheric sciences related fields. They also qualify for entry level positions as per the World Meteorological Organization (WMO) as recognized senior-level Met Technicians and Forecasting officers. The successful candidates can continue their education to become fully qualified meteorologists by completing an internationally recognized Bachelor's degree at a number of tertiary institutions around the world.

WHAT IS COVERED

The course is spread in to five semesters in two and a half years duration in which an in depth study on subjects like, Mathematics, Physics, General Meteorology, Climatology, Agro-meteorology, Seismology, Atmospheric Physics, Cloud Physics, Ocean and Atmospheric Dynamics, Measurements and Meteorological Sensors, Synoptic Meteorology, Tropical and mid-latitude Weather Systems, Satellite Meteorology, Numerical Weather Prediction and all conventional and modern techniques of weather analysis and forecasting using Forecast simulator are carried out.

LEARNING ACTIVITIES

Classroom Training & Discussions involve national and international studies demonstrate a direct correlation between classroom attendance and grade performance. Because much of the learning takes place via classroom activities and group interaction and attendance is essential. Attendance equates to showing up on time, listening, turning in assignments and participating in class discussions. The course focus more on practical's with this integrated programme of courses blending theoretical knowledge in the classroom with practical using simulators and experience gained during visits and internships.

WHO SHOULD ATTEND

This programme benefits candidates who have successfully completed senior secondary school with mathematics and physics and have good proficiency in English with IELTS 5.5.

APPLICATION CLOSING DATE

8 November 2019.

FOUNDATION PROGRAM

(February 2020 – from 1 to 2 years depending on the student level in English and Mathematics)

PURPOSE

This programme provides English language teaching, Mathematics and Science to those with no or some knowledge. The training provided includes comprehensive theoretical teaching.

WHAT YOU WILL LEARN

Upon completion of this programme, candidates will be able to:

- Develop learner's English language and improve their critical thinking and study skills.
- Be competent in the four skills of English language.
- Speak fluently and present good usage of English language communication.
- Prove high standard of reading and writing.
- Master the basic skills in mathematics which can be served as a solid foundation for further maths and physics needed for their disciplines in aviation.

WHAT IS COVERED (these are only samples of covered topics)

- Grammar and vocabulary
- Reading comprehension
- Writing skills
- Presentations
- IELTS preparation
- Professional speaking skills
- Whole Numbers
- Introduction to Integers and Algebraic Expressions
- Fraction Notation: Multiplication and Division
- Algebra
- Ratio, Proportion and Percentages
- Thermal Physics
- Electricity
- Magnetism
- Wave motion

LEARNING ACTIVITIES

Learning activities include My Math Lab, Clarity English software, Assessments, Online homework and Classroom tutorial.

WHO SHOULD ATTEND

This programme benefits students who aim at improving their language skills or expanding their knowledge in Maths and Science. This programme is essential for students wishing to join aviation majors as they need solid knowledge in English, Maths and Science courses.

APPLICATION CLOSING DATE

8 November 2019.

**Advance Aviation Management
(February 2020 to February 2022)**

PURPOSE

This programme provides participants with a broad understanding of Airport and Ground Operations in the areas of Terminal and Landside, Airside Operations and Business Operations and prepare them with the knowledge to successfully address the operational and business needs of a modern airport.

WHAT YOU WILL LEARN

Upon completion of the programme, the candidates will be able to understand the role airports play in the economy, discover the various airport customers and partners, gain knowledge about the multiple operational and business functions of the airports, acquire the tools to apply their knowledge and skills to their airport environment, control and supervise the airport in a self-handled or outsourced environment.

WHAT IS COVERED

The course is spread in to four semesters in two years duration in which an in-depth study of subjects like Introduction to Airline Industry, Airport Operations, Air Traffic Fundamentals, Ground Operations Management, Airline Customer Services, Aviation Security Awareness, Technical Report Writing, Airside Operations, Terminal and Landside Operations, Airport Business Operations, Airport Concession Management, Airport Master Planning, Research Methodology and on the Job Training.

LEARNING ACTIVITIES

Classroom Training & Discussions involve national and international studies demonstrate a direct correlation between classroom attendance and grade performance. Because much of the learning takes place via classroom activities and group interaction and attendance is essential. Attendance equates to showing up on time, listening, turning in assignments and participating in class discussions.

WHO SHOULD ATTEND

This programme benefits candidates who have successfully completed senior secondary school with a good proficiency in English with IELTS 5.5.

APPLICATION CLOSING DATE

8 November 2019.

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