



VISION

CONCEPT AVIATION TRAINING INSTITUTE



 Pearson | BTEC

HIGHER NATIONAL DIPLOMA IN **AERONAUTICAL ENGINEERING**

LEVEL 3/4/5

www.vcati.ae

info@vcati.ae



AERONAUTICAL ENGINEERING

Together with Pearson, VCATI offers BTEC Higher National qualifications.

For over 30 years, the Business & Technology Education Council (BTEC) has captivated learners with **practical, interpersonal, and critical thinking skills, and has been the world's most successful and best-loved brand in applied learning.**

Pearson BTEC Higher National qualifications in Aeronautical Engineering offers:

- A stimulating and challenging programme of study that will be both engaging and memorable for students.
- The essential subject knowledge that students need to progress successfully within or into the world of work or onto further study.
- A simplified structure
- Refreshed content that is closely aligned with employer, professional body and higher education needs.
- Assessments that consider cognitive skills (what students know) along with affective and applied skills (respectively how they behave and what they can do).



Pearson BTEC Higher Nationals are designed to help students secure the knowledge skills and behaviours needed to succeed in the workplace. They represent the latest in professional standards and provide opportunities for students to develop behaviours for work, for example by undertaking a group project, or responding to a client brief.

BTEC qualifications are awarded by Pearson, the UK's largest awarding body offering academic and vocational qualifications that are globally recognised and benchmarked.

ABOUT PEARSON

Pearson is the world's leading learning company, with 35,000 employees in more than 70 countries working to help people of all ages to make measurable progress in their lives through learning. We put the learner at the centre of everything we do, because wherever learning flourishes, so do people.

SCOPE

Upon completing this course, our students will have a better chance of gaining industry acceptance.

As a graduate of our program, you will be guaranteed admission for bachelor / Masters degree in any globally accredited university for aerospace .



UNIVERSITY OF
BIRMINGHAM



AMERICAN
UNIVERSITY
WASHINGTON, D.C.



AND MANY MORE....





INTRODUCTION TO AVIATION

The aviation industry encapsulates the development, operation and management of aircraft. While the common perception about the sector is that it's only about pilots and air hostesses, there are numerous other equally significant job options that the industry cannot function without, from in-flight trainers and aircraft maintenance engineers to baggage handlers and reservations agents.

The Aviation market in UAE is forecast under the "current trends" scenario to grow by 170% in the next 20 years.

This would result in an additional 101 million passenger journeys by 2037. If met, this increased demand would support approximately US \$127.7 billion of GDP and around 1.4 million jobs.

Aviation generates benefits to consumers and the wider economy by providing speedy connections between cities. These virtual bridges in the air enable the economic flows of goods, investments, people and ideas that are the fundamental drivers of economic growth.



777,000

JOBS

SUPPORTED BY THE
JOBS AIR TRANSPORT
SECTOR



\$47.4

BILLION

GROSS VALUE ADDED
CONTRIBUTION TO
GDP



VISION CONCEPT AVIATION TRAINING INSTITUTE (VCATI)

We are Vision Concept Aviation Training Institute, a leading aviation training institute in the United Arab Emirates that specializes in training all aspects of the Aviation Industries with global partnerships and has been trusted by students from over 40 nationalities.

VCATI provides training in all aspects of the aviation industry, from technical engineering to cabin crew and from ground handling to presenting the face of an airline.

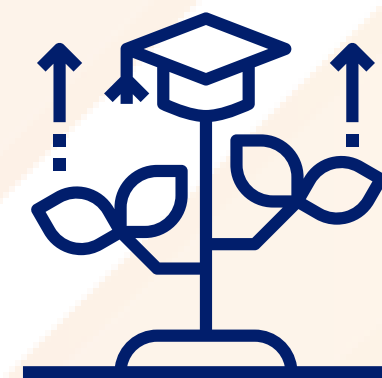
Here are just a few reasons why VCATI is the right for you:



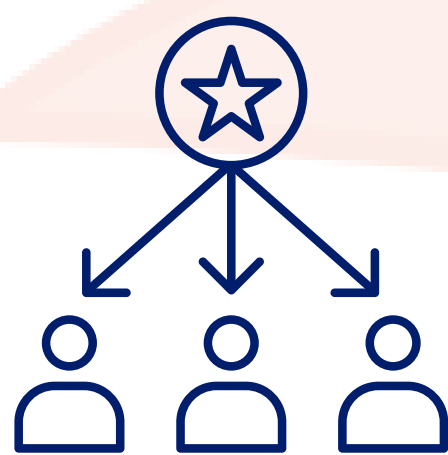
Dedicated and highly experienced instructors.



Practical Experience in a fully equipped workshop



Quality Education



Job placement Assistance



VCATI Online

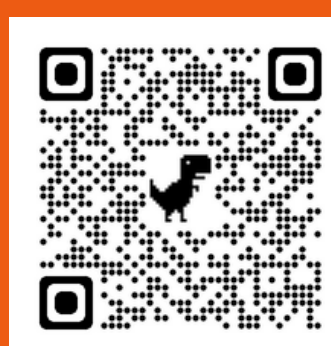


Globally Certified

Accredited by:



الهيئة العامة للطيران المدني
GENERAL CIVIL AVIATION AUTHORITY



FOR MORE INFORMATION:
www.vcati.ae





WE ARE AVIATION EXPERTS TO ENSURE THAT YOUR CAREER FLYS

You have the flexibility to start your pathway depending on your financial and academic strengths. Find the right fit for you.

Qualifications:

EXTENDED DIPLOMA- BTEC LEVEL 3

USD 9,000

BTEC Level 3 Extended Diploma lays the foundation for your knowledge about Aircraft Hardware and Electrical Systems

Course Duration: 1 year

No. of Credits: 120

MANDATORY SUBJECTS	OPTIONAL SUBJECTS
<div><div>CORE UNIT</div>Engineering Project</div> <div><div>CORE UNIT</div>Mathematics for Engineering Technicians</div> <div><div>CORE UNIT</div>Theory of Flight</div> <div><div>CORE UNIT</div>Principles Applications of Aircraft Mechanical Science</div>	<div><div>•</div>Aircraft Workshop Principles & Practices</div> <div><div>•</div>Aircraft Gas Turbine Engines</div> <div><div>•</div>Aircraft Electrical Systems</div> <div><div>•</div>Human Factors in Aircraft Engineering</div> <div><div>•</div>Airframe System</div> <div><div>•</div>Avionic Systems</div> <div><div>•</div>Aircraft Electrical System</div> <div><div>•</div>Aircraft Electrical Systems</div>

HIGHER NATIONAL CERTIFICATE- BTEC LEVEL 4

USD 14,000

Introduction to subject areas via mandatory core of learning
Sector-specific skills and experience through specialist units
Opportunities to pursue interests through appropriate selection of optional units.

MANDATORY SUBJECTS		OPTIONAL SUBJECTS
CORE UNIT	Engineering Design	<ul style="list-style-type: none"> • Computer Aided Design and Manufacture (CAD/CAM) • Aircraft Electrical Power and Distribution Systems • Airframe Mechanical Systems • Composite Materials for Aerospace Applications • Turbine Rotary Wing Mechanical and Flight Systems • Industry 4.0 • Introduction to Professional Engineering Management • Industrial Robots • Programmable Logic Controllers • Computer Aided Design (CAD) for Engineering
CORE UNIT	Engineering maths	
CORE UNIT	Engineering Science	
CORE UNIT	Managing a Professional Engineering Project	
SPECIALIST UNIT	Aircraft Aerodynamic	

HIGHER NATIONAL DIPLOMA – BTEC LEVEL 5
USD 14,000

Mix of core, specialist and optional units for each pathway. The requirements of the Higher National Certificate (or equivalent) have to be met.

Some specialist units are available as optional units and some optional units are available as specialist units.

MANDATORY SUBJECTS		OPTIONAL SUBJECTS
CORE UNIT	Research Project	<ul style="list-style-type: none"> • Aircraft Propulsion Principles and Technology • Aircraft Structural Integrity • Avionic Systems • Aircraft Gas Turbine Engine Design and Performance • Advanced Composite Materials for Aerospace Applications • Advanced Turbine Rotary Wing Mechanical and Flight Systems
CORE UNIT	Professional Engineering Management	
SPECIALIST UNIT	Further Mathematics	
SPECIALIST UNIT	Aircraft Flight Control System	

REQUIREMENTS:

Students from all over the world are welcome to accelerate their career paths. The entry requirement for the program is :

Age: Minimum 17 years old

Education: Preferred 12 years of schooling or equivalent from any stream

Language: English

ADDITIONAL EXPENSES:

	USD \$
VISA* (Refer to page 10)	1,000 PER YEAR
HEALTH INSURANCE	500
ACCOMMODATION	190-250 PER MONTH

*Cost of renewing visa- \$1000

*Contact our counsellors for more information (page 10)



SPONSORSHIPS AVAILIABLE*
Contact our counsellors to know more



OUR CAMPUS

Located in the heart of Dubai, our campus is purpose-built to deliver quality courses, combining a friendly, vibrant academic community that includes classrooms and a fully equipped workshop.
With the advantage of the location, our campus is easily accessible by public transport!



YOUR NEXT STEP...

Please visit our website at www.vcati.ae to find out more about our courses. On our website, you can also find our other brochures to download.

HOW TO APPLY:

To book your course, you can:

- Enroll on our website- www.vcati.ae, Download an enrolment form from our website and send it back by email, post or fax.
- Contact our counsellor-
Prince- +971 56 688 0660
Nazish- 054 994 3497
Kirti- +971 54 994 3498
- Visit our campus and meet our admissions team in person- Al Garhoud, Dubai, UAE

VISAS :

Laws in the United Arab Emirates (UAE) require all non-national students to obtain a Student Visa for the duration of their studies. Vision concept Aviation Training Institute provides students visas for applicants studying in any of our academic programmes.

Student visas are issued for the duration of 12 months at a time for the charge of \$1000; hence a student may require 2 or 3 renewals during their course of study at VCATI.

The procedure for applying for a Student Visa cannot commence until you have accepted your Offer of Admission, cleared all academic conditions (if any) and paid your tuition fees along with the Student Visa Charges outlined below. The process normally takes 15-20 days; applications typically undergo a security check by UAE government authorities. You are advised to apply as early as possible if you require a Student Visa.

Find out more by writing to us at info@vcati.ae or calling +97142884474; alternatively, you can Whatsapp us.

