ARTIFICIAL INTELLIGENCE PROGRAM

The New Artificial Intelligence & Generative AI Course

MAY 2024 - SEP 2024

www.ai.gov.ae

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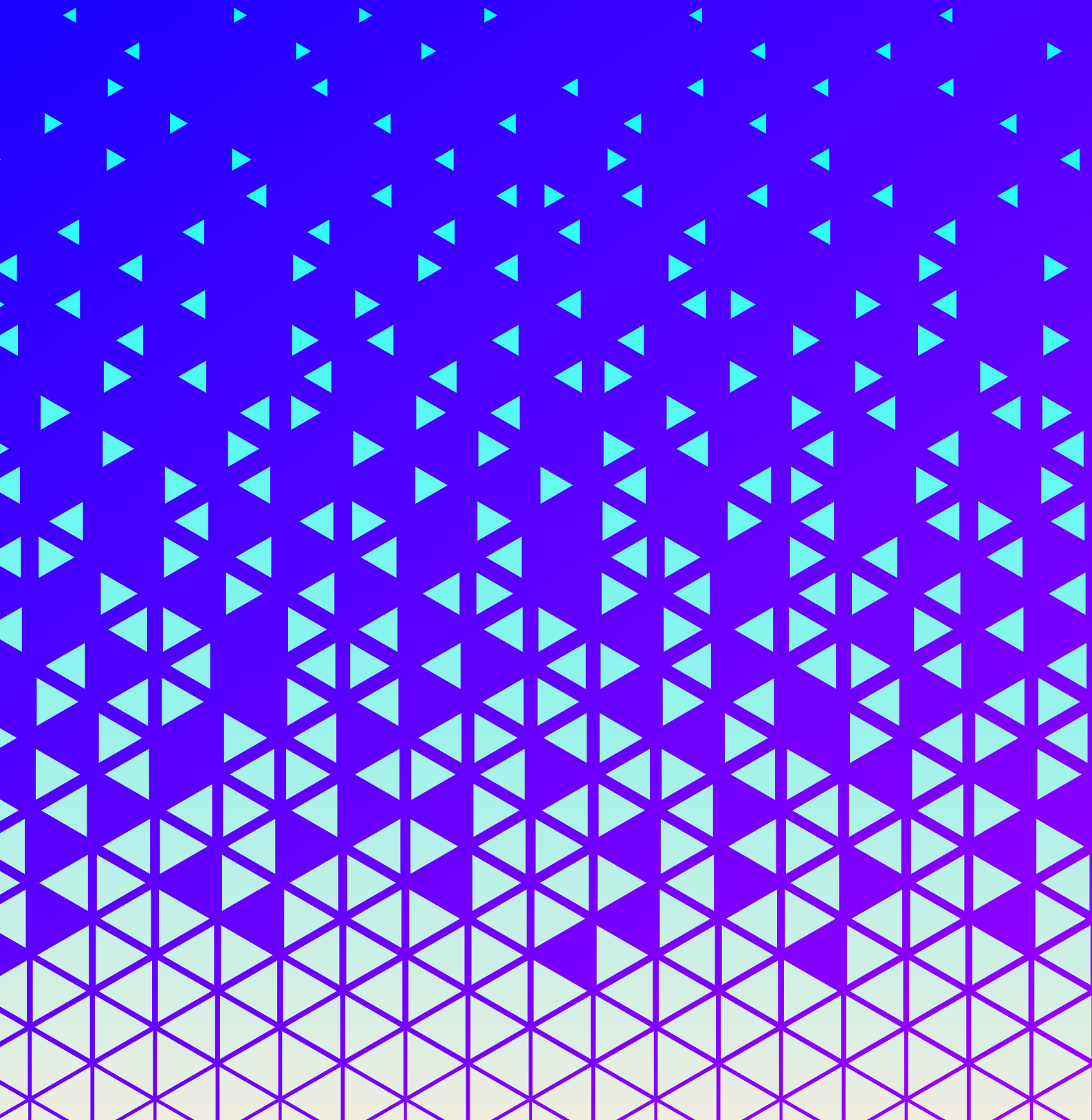
OVERVIEW

The Artificial Intelligence Program is a specialised training program managed by the National Program for Artificial Intelligence in the United Arab Emirates and facilitated by the University of Birmingham. This program introduces participants to Artificial Intelligence and the latest developments in generative AI. It examines the challenges and opportunities that AI represents, the security and ethical risks connected with its adoption, and how to successfully make use of the tools it offers in a modern organisation. Through the program, participants will gain a strong understanding of current global trends in Artificial Intelligence technologies, the latest developments in Large Language Models and the role they play in our ever-changing world.

The program is primarily aimed at government officials, but it also welcomes private sector employees and interested UAE residents. The main goal of the program is to empower officials with the understanding and skills required to contribute to the UAE's journey towards its 2071 centennial goals.

The program will enable participants to become AI experts in their field equipped with a thorough knowledge and understanding of the different trends and uses of AI, the application of large language models, methods of adoption, the wider implications and approaches to tackling security and ethical risks.

Students Graduated
307

Government Entities
41

Female Students
141

The Program will deliver

High quality training in AI and related fields through courses designed by a recognized global leader in science and engineering education

Certificates that will significantly **enhance students' career and educational prospects**

Access to a **world-class educational community** that offers extraordinary mentoring, career guidance, and social networking opportunities

Access to **world-class virtual classrooms** and collaborative online learning spaces with a capacity of at least 100,000 students

"The possibilities and realities of AI that I have been exposed to in this program have changed the way I think and work".

Sultan AlOwais
Acting Director of Corporate Digital
Services Department
Prime Minister's Office

OUR PARTNER

University of Birmingham

Birmingham is a Top 100 University and part of the prestigious Russell Group of UK universities. It was granted its Royal Charter in 1900 but can trace its roots back to 1767.

It has a global reputation for pursuing and sharing knowledge through outstanding teaching and world-leading research.

The 10 Nobel Laureates it counts amongst its staff and alumni have contributed to some of science's greatest discoveries, including in recent times the Higgs Boson and Gravitational Waves. Its research provides innovative solutions to the challenges we face across the globe.

The UK campus is nestled in the hustle and bustle of England's diverse and vibrant second city and is just minutes away from the city centre. The University itself is a centre of culture for the region. From museums and galleries to concert halls and a botanic garden, its campus is brimming with things to do.

More than 100 years since its founding Birmingham campus has grown to 672 acres, and in 2022 it officially opened its new bespoke campus in the UAE. It was the first global top 100 and UK Russell Group university to establish a campus in the Emirate of Dubai.

It now offers a Global Top 100 educational opportunity here in Dubai, at both undergraduate and postgraduate level. It's now bringing world-class research expertise to the UAE.

At Birmingham, they encourage bold, independent thinking and offer a high-quality academic experience to stretch and challenge you. By studying with us on the Generative AI program you will be an active part of a diverse university community to help you pursue your own interests and develop the career and academic path that's right for you.

The Dubai and the Birmingham teams are looking forward to welcoming you to both its campuses during the new program.
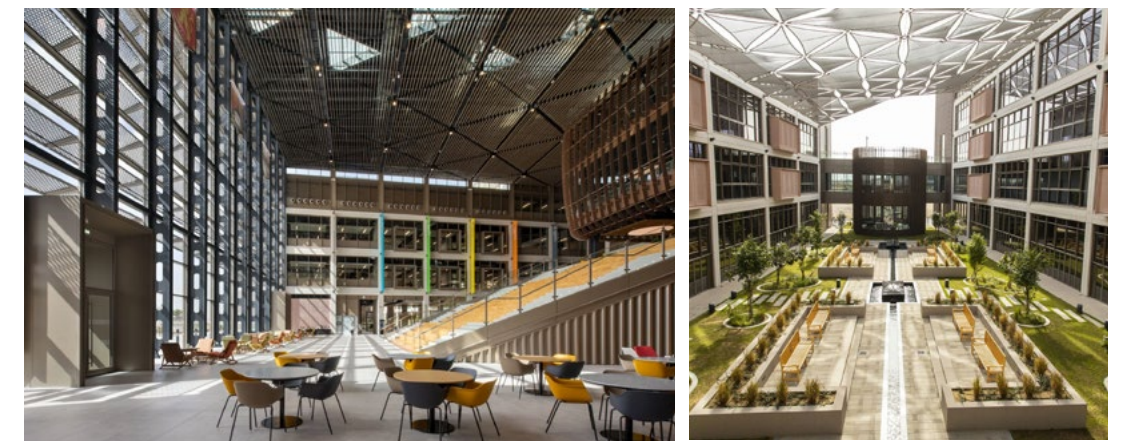
AI PROGRAM COHORT 5

After four highly successful programs facilitated by the University of Oxford, the new Artificial Intelligence and Generative AI course is delivered in collaboration with the University of Birmingham.

Lecturers

Dr Nigel Mehdi
BSc MA MSc PhD FRICS FBCS
Fellow of Kellogg College,
University of Oxford

Nigel is the Program Director for the UAE National Artificial Intelligence Program. He teaches on the Software Engineering Program at the University of Oxford.

Dr Kashif Rajpoot
MSc, DPhil, SFHEA
Deputy Head of Computer
Science, University of
Birmingham

Kashif is Deputy Head of the School of Computer Science and an Associate Professor of Computer Science at the University of Birmingham.

Dr Robert Collins
PhD MBA
Visiting Fellow of
Kellogg College,
University of Oxford

Rob is an experienced industry practitioner and he teaches on the Software Engineering Programme at the University of Oxford.

Dr David Johnson
BSc MSc PhD Associate
Professor of Information
Systems, Uppsala
University, Sweden

David is a Visiting Fellow at Kellogg College, University of Oxford and specialises in AI, data science and big data.
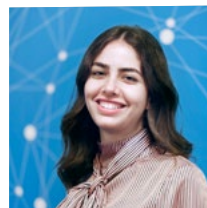
Dr Farah Shamout
BSc DPhil
Assistant Professor of
Computer Engineering,
NYU, Abu Dhabi

Farah gained her DPhil in Engineering Science from the University of Oxford and has taught on the UAE National AI Program from the first cohort.

LEARNING OBJECTIVES

1_ To recognise what Artificial Intelligence is, the technologies it encompasses, and the role it promises to play in our future lives.

2_ To understand and apply the principles of AI and Generative AI in various contexts.

3_ To gain a grounding in the theory of data mining, statistics as applied to machine learning and generative AI.

4_ To acquire skills in data collection, interpretation, and analysis applicable to an AI empowered environment.

5_ To strengthen participants' abilities to analyse, understand, and interpret information about AI systems and generative AI.

6_ To appreciate the security and ethical risks connected with AI adoption and the implementation of large language models.

7_ To learn how to enhance strategic planning for the adoption of Generative AI and AI systems.

8_ To analyse how AI techniques can be applied to a range of government, professional and industry application areas.

9_ To communicate with stake-holders having acquired a solid understanding of the advantages and limitations of ML and generative AI.

10_To develop an action plan for the adoption of AI technology and generative AI in the participants' organisation.

THE ARTIFICIAL INTELLIGENCE PROGRAM

"I joined the AI Program in order to be able to apply the latest edge technologies in the UAE's first beneficial nuclear energy program in the Arab World".

Yasser Al Shehhi
Security Vice President
Nawah Energy Company

"A great course that equipped me with the required skills and knowledge needed to drive the efforts towards adopting Artificial Intelligence in the Government in the right direction".

Dina Fares
Director of Digital Transformation
Department of Digital Ajman

PROGRAM DESIGN

The Program is aimed at government officials, private sector employees and individuals to enable them to adapt to fast-paced changes and to shape the future of the UAE. The course consists of 4 parts:

1

Main Modules
Modules 1-4 will be facilitated and conducted by University of Oxford and Birmingham University faculty. Classes will take place for one week during the month.

2

Capstone
In order to graduate from the program, participants must complete a capstone project. The project is an individual effort by each participant that he/she will work on throughout the program

3

Graduation
Participants will have their graduation ceremony

4

Certification
Certificates from University of Birmingham and National Program for Artificial Intelligence

ASSESSMENT

Assessment is through a Capstone Project completed as part of a team. This will use AI to develop an applied generative AI project and aim for "real world" delivery.

Fees

AED 81,000
Fees do not include 5% VAT and travel fees to UK.

For further information, please email to Program@ai.gov.ae

PROGRAM MODULES

Day/Date	Module	Topic	Where
20 to 24 May 2024	Module 1 UOBD-AIP2401	Introduction to Artificial Intelligence and Generative AI	Dubai
24 to 28 Jun 2024	Module 2 UOBD-AIP2402	Data Strategies for Machine Learning and Generative Artificial Intelligence	Dubai
22 to 26 Jul 2024	Module 3 UOBD-AIP2403	In-depth look at Generative Models	Dubai
12 to 16 Aug 2024	Module 4 UOBD-AIP2404	Applications of Artificial Intelligence and Generative Models	Dubai
16 to 20 Sep 2024	Module 5 UOBD-AIP2405	Implementing Artificial Intelligence and Generative Models and UK experience	UK

CANDIDATE CRITERIA

The Artificial Intelligence Program has been specifically designed and tailored for United Arab Emirates government employees, private sectors employees and the individuals, whose role in their organizations is to create transformational change by adopting Artificial Intelligence in the most secure and ethical manner.

Eligible candidates should meet the following criteria:

1. Be entirely or partially responsible for project management or technology adoption, and play a leading role in creating change in his/her organization
2. Deal with transformational change or planning and executing strategic projects
3. Be capable of tackling complex issues and coming up with innovative solutions
4. Show understanding of technical terminologies and languages

Candidate Requirements

1. 5 years of work experience or more
2. A solid understanding of emerging technologies and global trends
3. Capable of adapting in a fast-paced environment
4. Fluent English speaker
5. A bachelor's in Engineering, Sciences, Mathematics, IT or any AI related degree

" I'm a proud graduate from UAE National AI Program batch 1 acting as an AI enabler in my current entity, in the domains I'm in-charge of, to cope with the revolutionary tech trends associated with AI, develop solutions and turn challenges into opportunities. The program provided me with great insights on latest AI tools and practical uses of AI in various sectors and expected economic returns. It was a great privilege to be instructed by one of the world leading universities".

Amal AlBlooshi
UAE Digital Wellbeing Program Lead
Ministry of Community Development

FLOW DIAGRAM

UNIVERSITY OF BIRMINGHAM

The new Artificial Intelligence & Generative AI course is anchored in the QS Top 100 University of Birmingham. Alongside the established campus in Birmingham, UK it now has a world class purpose built campus designed by Hopkins Associates in Dubai, UAE.
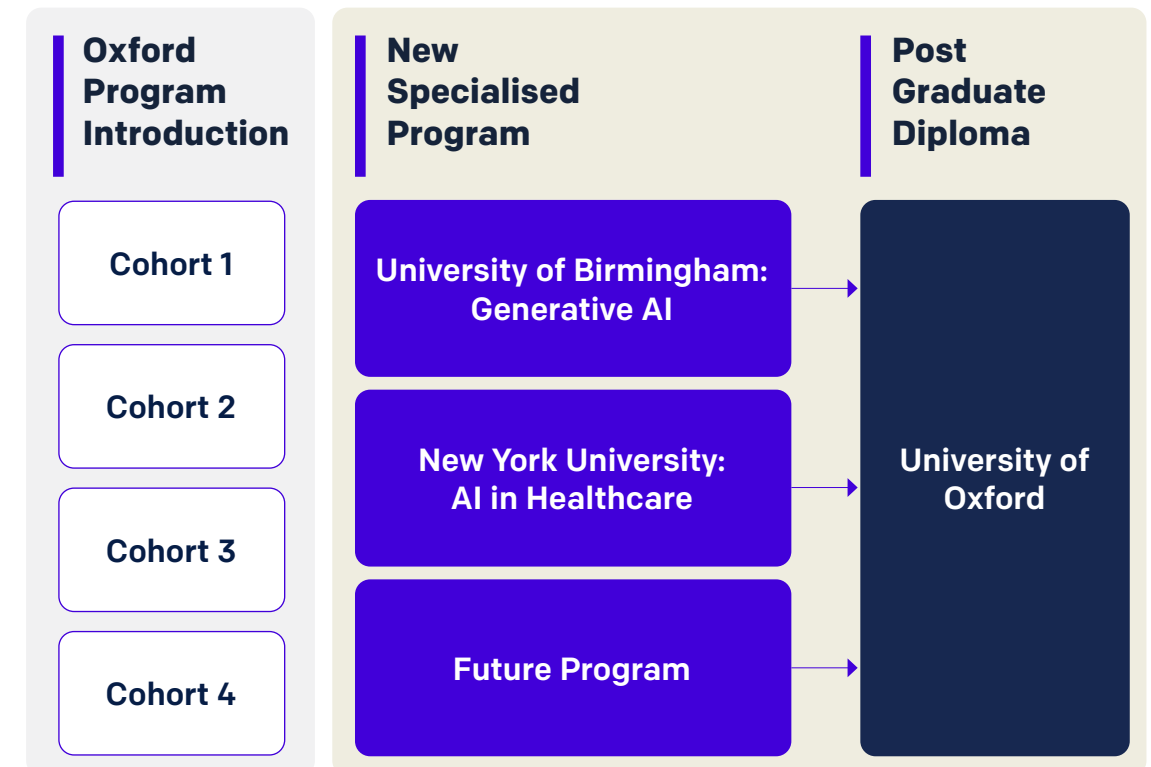
This new course has a number of elements that focus on Generative AI. It is taught by world class academics who teach at global universities including the University of Birmingham, the University of Oxford, New York University and others. This gives participants access to three of the top 100 universities and their academic networks.

UNIVERSITY OF OXFORD | Saïd Business School

The Program is designed for government officials, private sector employees and individuals to enable them to adapt to fast-paced changes and to shape the future of the UAE. The course is made up of five modules, taught in one week blocks each developing a different theme.

Progression from this course allows successful students to progress to one of four* MSc's in computer science from the University of Birmingham which are accredited by the UAE Ministry of Education.

Participants who successfully complete this course will also be eligible to apply for the forthcoming Artificial Intelligence for Business post Graduate Diploma to be delivered in partnership with the Saïd Business School at the University of Oxford*.

Oxford Program Introduction	New Specialised Program	Post Graduate Diploma
Cohort 1	University of Birmingham: Generative AI	University of Oxford
Cohort 2	New York University: AI in Healthcare	
Cohort 3		
Cohort 4	Future Program	

* Subject to final approvals