OTHM · LEVEL 7 · 610/4802/1

OTHM Level 7 Diploma in Artificial Intelligence

An introduction to AI, then deep learning, intelligent agents, ethics, fairness and explanation, AI and sustainability, and research methods.



Study it online. Finish with a qualification that is on your record for life.

Level 7	600	6	100%
REGULATED LEVEL	LEARNING HOURS	UNITS	ONLINE

Delivered online
Tutor support.

Assessed on your work
A portfolio of your own work. No written exam.

Awarded by OTHM Qualifications
We are an approved OTHM centre.

Ask us
For the fee and the next start date.

Studied online
600 guided learning hours, 1200 total qualification time, 120 credits

Tutor support throughout
Questions answered within 2 working days, feedback within 10.

Nothing paid at application
Payment only after you accept an offer.

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WHAT YOU WILL STUDY

6 units, 600 guided learning hours



Introduction to Artificial Intelligence	100 h · 17%
Artificial Intelligence and Sustainability	100 h · 17%
Ethics, Fairness and Explanation in Artificial Intelligence	100 h · 17%
Deep Learning	100 h · 17%
Intelligent Agents	100 h · 17%
Research Methods	100 h · 17%

UNIT BY UNIT

What each unit covers

Introduction to Artificial Intelligence

100 hours

- Understand the fundamental concepts and approaches in AI.
- Understand the principles of knowledge representation and reasoning in AI.
- Understand the ethical and societal implications of AI.
- Be able to apply search algorithms in AI problem-solving.
- Be able to apply machine learning techniques in AI.

Artificial Intelligence and Sustainability

100 hours

- Understand the role of AI in promoting sustainability.
- Understand the ethical implications of AI in sustainability.
- Be able to develop sustainable AI solutions.
- Understand the application of AI in achieving specific UNSDGs.

Ethics, Fairness and Explanation in Artificial Intelligence

100 hours

- Understand the ethical implications of developments in AI with respect to underlying philosophical ideas.
- Be able to detect algorithmic bias in machine learning decisions and measure it based on several common metrics.
- Understand the strengths and weaknesses of different approaches to explanation, and their robustness, in specific instances of AI tasks.
- Understand and critique debates on AI safety and AI alignment.
- Understand algorithmic fairness measures to address bias and perform empirical analysis using appropriate libraries.
- Be able to implement explanation tasks using widely used Python libraries.

Deep Learning

100 hours

- Understand the underlying theoretical concepts of modern deep learning methods.
- Understand the limitations of deep learning.
- Be able to compare, characterise and quantitatively evaluate various deep learning approaches.
- Be able to apply deep learning techniques to real-world problems in computer vision, speech, text analysis, and graph processing.

Intelligent Agents

100 hours

- Understand the foundational principles of agent-based computing.
- Be able to design and implement intelligent agents.
- Understand interactions between agents in multi-agent environments.
- Understand advanced applications and ethical considerations in agent-based computing.

Research Methods

100 hours

- Be able to develop research approaches in a suitable context.
- Be able to design business research methodologies.
- Be able to critically review literature on a business research topic.
- Be able to develop a research proposal.

The learning outcomes OTHM Qualifications publishes for each unit. The assessment criteria beneath them are on the qualification page.

6	27	600
UNITS TO COMPLETE	LEARNING OUTCOMES	GUIDED LEARNING HOURS

Guided learning hours are the taught time OTHM Qualifications specifies. Your own study time is on top, and how long you take is up to you.

HOW IT WORKS

From your first unit to your certificate



01

You produce evidence

A portfolio of your own work, against the published criteria.

02

An assessor marks it

Qualified, and required to show current competence in the sector they assess.

03

The marking is checked

Sampled internally each term, and quality assured by OTHM Qualifications from outside the school.

04

OTHM Qualifications certificates you

We claim it from OTHM Qualifications. Recognised independently of us.

WHAT WE COMMIT TO

Answers, in working days

Within 2 working days
General questions

Within 10 working days of submission
Assessment feedback

Within 1 working day
Technical problems

Within 1 working day
Urgent welfare concerns

Published in DAIS-POL-024 Online Learning and Digital Delivery, and on every course page.

GETTING ON

Entry requirements

- These qualifications are designed for learners who are typically aged 21 and above.
- The entry profile for learners is likely to include at least one of the following:

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- Relevant Level 6 qualification. Normally an Honours degree (or equivalent) from a recognised institution.
- Demonstration of relevant professional experience. Applicants should have at least 3 years professional experience in the field (learners must check with the delivery centre regarding this experience prior to registering for the programme)
- And, must have an:

This qualification does not carry UCAS Tariff points, because UCAS gives points to Level 3 qualifications only.

THE COST

How paying works

TWO WAYS

Pay in full, which costs less than the published fee, or pay monthly. No interest and no credit agreement, and the payments stop on their own.

THE CURRENT FEE

On the qualification page at dataaischool.com, or ask us and we will tell you. It is not printed here, so nothing in this guide can quote you a price we are no longer charging.

Nothing is paid when you apply. Payment is taken only after you accept an offer, and we confirm the amounts with you first.

How long it takes. 600 guided learning hours, 1200 total qualification time, 120 credits

BEFORE YOU START

What you need to take part



Device
Laptop or desktop computer

Operating system
Windows 10 or macOS 10.15 or later

Browser
Google Chrome or Mozilla Firefox, latest version

Internet speed
10 Mbps download and 5 Mbps upload

Webcam
Required for live sessions and identity verification

Microphone
Required for live sessions

Published in DAIS-POL-024, and told to every learner before enrolment.

IN MORE DETAIL

About this qualification

The qualification carries 120 credits, 1200 hours of total qualification time and 600 guided learning hours. Every unit is internally assessed by the centre and externally verified by OTHM Qualifications, and each unit is graded Pass or Fail.

ASKED BEFORE

Questions people ask

Who awards OTHM Level 7 Diploma in Artificial Intelligence, and how do I get my certificate?

OTHM Level 7 Diploma in Artificial Intelligence is awarded by OTHM Qualifications. The qualification number is 610/4802/1. The Data and AI School of London is an OTHM Qualifications approved centre. Once your work is assessed and quality assured we claim your certificate from OTHM Qualifications, …

How long does OTHM Level 7 Diploma in Artificial Intelligence take?

This qualification carries 600 guided learning hours and a total qualification time of 1200 hours. It is studied online at your own pace, so how long it takes in calendar time depends on how much you can commit each week.

The same answers as the qualification page, built from the same record.

NEXT STEP

Apply, or ask us first

Applying costs nothing and commits you to nothing. Eight short steps, no card details and no deposit. We check the qualification suits you and say so if another fits better, and payment is taken only after you accept an offer.

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Scan for the full details

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