

Fundamentals of Artificial Intelligence Centre for Doctoral Training

Virtual Open Day 2025







intelligence to accelerate scientific discovery

Nurture

Support your personal development as artificial intelligence researchers and to realise your talent and potential





Change

Working with the Ellison Institute to develop artificial intelligence that has the potential to drive transformative impact across key global challenges

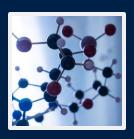
Collaboration

To work together in partnership within communities to combine our strengths and knowledge





Theory & Foundations



Applied Fundamentals



Systems & Engineering

Theory & Foundations

Applied Fundamentals

Systems & Engineering

Mathematical and computational theory that underpins core learning and modelling approaches

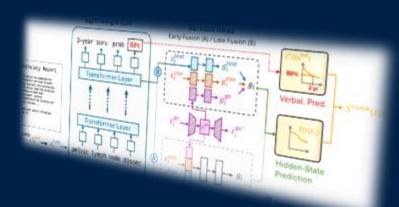


Theory & Foundations

Applied Fundamentals

Systems & Engineering

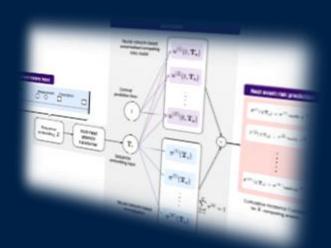
Theoretical and methodological challenges posed by scientific applications



Theory & Foundations

Applied Fundamentals

Systems & Engineering



Novel fundamental challenges posed by the emergence of large-scale Al systems

Programme Structure

Four-year doctoral training programme:

Year 1

Software Engineering Training
Two taught courses in classical and modern
aspects of artificial intelligence

Years 2-4

Group project

Two individual rotation projects

DPhil research project

Programme Structure

Four-year doctoral training programme:

Year 1

Transfer to host university department under

new supervision

Years 2-4

Conduct three years of focused research

Graduate with DPhil and future career ...

Who are we looking for

Technical capability and potential

Benefit from cohortbased training

Alignment to EIT

You can demonstrate the mathematical and computational capability to conduct doctoral-level research in fundamental artificial intelligence through:

- Strong academic performance
- Internships and post-graduate work experience
- Other research activities

Who are we looking for

Technical capability and potential

You are still undecided on your research direction.

Benefit from cohortbased training You want to work and learn with other likeminded people.

Explore new areas and topics.

Alignment to EIT

If you already know you want to work on a specific topic with a particular academic, consider other programmes.

Who are we looking for

Technical capability and potential

Benefit from cohortbased training



Alignment to EIT

You have interests in scientific areas relevant to EIT scientific programmes

How will you be supported

Stipend and fees

Research training and support funds

EIT Development and Support

Students receive:

- Four-year stipend
- Tuition fees (home and international)
- Immigration charges (for international students)

How will you be supported

Stipend and fees

Research training and support funds

EIT Development and Support

All Year 1 activities are fully funded.

Funding to support research and training activities in Years 2-4 of your studies.

How will you be supported

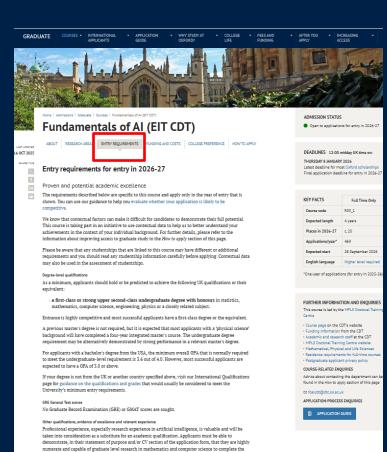
Stipend and fees

Research training and support funds

EIT Development and Support



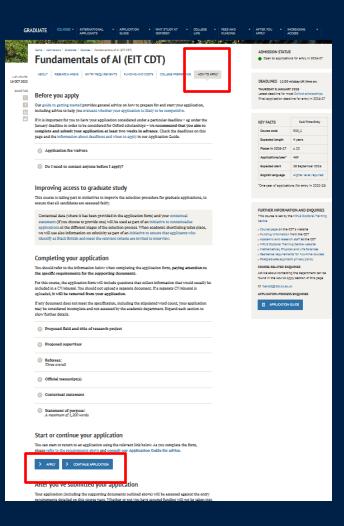
EIT-led Leadership and personal development programme alongside other EIT Scholars and Graduates



How to apply

Check Entry Requirements on the official course page at

www.ox.ac.uk/admissions/graduate/courses/fundamentals-of-ai



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Start your application via the 'Apply' button on the course page (Oxford eVision).

You can apply for up to three graduate courses in one admissions cycle (max two taught).

our statement should be written in English and should focus on your notivation, research interests and career ambitions in the area of the CDT, ather than on other personal achievements, interests and aspirations.

four personal statement must be structured as follows, and answer each of be questions in individual separate sections

lease be as specific and detailed as possible in your answers. If possible, please usure that the word counts are clearly displayed on the document.

Rease include the question as headings to each section. The question itself need so contribute towards the word count.

ou may also use your personal statement to explain any special circumstances elating to any element of your application that you wish to bring to the ttention of the assessors.

- Give an overview of your academic education and professional career to date and how it led to an interest in conducting research in the fundamentals of AI? [250 words]
- Describe a research project you have undertaken that involved the development of AI theory or methods. What was the problem you addressed? What was your contribution to the development of AI? Explain why an existing, off-the-shelf solution could not be used? [Up to 400 words]
- Describe a situation where you once made a programming error. How did you discover the error? How did you trace the source of the error? And how was it resolved? [Up to 250 words]
- What makes the FOAI CDT more appropriate to you than other options for doctoral study? [Up to 150 words]
- How could your interests support one or more of the <u>EIT themes</u>? [Up to 150 words]
- *If you are invited for interview, you will be asked to undertake some technical exercises. In order to help us determine appropriate questions for you, please tell us your current primary area of interest by selecting one option (ONLY) from the following:
 - Foundations
 - Applied
 - Contra

How to apply

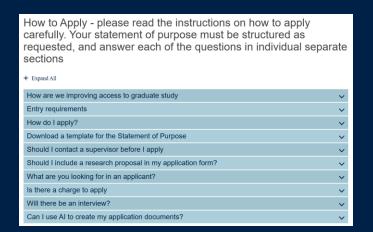
You are not expected to contact prospective supervisors prior to application.

Please leave 'Field and title of research project' blank on the 'Course' tab of the application form.

You should include a Statement of Purpose following the template provided.

Further information: https://www.foaicdt.ox.ac.uk/

How to apply



References

Register three referees; ensure at least two are received by the deadline for a complete application

Pay the application fee

£20 per application for this CDT; fee waivers available for eligible applicants

Submit the form; manage any updates via Graduate Applicant Self-Service.

Further information:

https://www.foaicdt.ox.ac.uk/

Key Information

Programme code: R35_1 (full-time DPhil, length 4 years)

<u>Deadline</u>: 12:00 midday UK time, Thursday 8 January 2026 (final deadline & latest for most Oxford scholarships)

Funding: By applying to the CDT, you are automatically considered; most offers are expected to include a fully-funded scholarship (fees + stipend).

Admission status: Open to applications for 2026/27 entry; c.20 places.

Aim to submit at least two weeks before the deadline; references and documents must be in by the deadline.

English language: Higher level required.

Interview Process

Interviews are normally held as part of the admissions process and are expected to be held in **February or March**.

Interviews will be held **online**, normally with at least two interviewers from the supervision pool and one from EIT.

Prior to interview you may be required to prepare a short video highlighting your interest in a topic related to EIT and the CDT.

In some cases, you may be invited back for a second interview.

Interviews will focus on technical aspects, specifically your foundational mathematical, statistical and computational skills, your appetite to engage with cohort activities, and your commitment to innovation to solve global problems through technological advancements.

Frequently Asked Questions

Do I need to have published before I applied?

> This is not a requirement. Though it may form part of the evidence for your technical ability and interests.

Can I undertake part-time or remote study?

> The programme is intended for full-time, in-person study. Contact us for further details if you have particular circumstances.

I have an unfunded offer for another DPhil programme. Can the CDT provide funding?

> This CDT does not provide scholarships for other university schemes.

Questions and Answers

https://www.foaicdt.ox.ac.uk/

Contacts

FoAl CDT Programme Manager: foaicdt@dtc.ox.ac.uk

General enquiries (MPLS Doctoral Training Centre): dtcenquiries@dtc.ox.ac.uk

For comprehensive guidance: University of Oxford Graduate Application Guide and the course page

https://www.ox.ac.uk/admissions/graduate/courses/fundamentals-of-ai

https://foaicdt.ox.ac.uk/