



# ATHE Level 5 Diploma in Computing and Advanced Statistics

Ofqual Regulated | RQF Level 5 | 60 Credits

Qualification No.  
**610/6117/7**  
Pass | Merit  
Distinction

<b>LEVEL</b> 5 (Higher Education)	<b>TOTAL CREDITS</b> 60	<b>DELIVERY</b> Online / Blended / Campus	<b>FUNDING</b> PayPal or Klarna Finance
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## The maths behind AI — finally explained properly.

This qualification builds the statistical foundation that every AI and data science role demands.

### Course Overview

Most people talk about Artificial Intelligence. Very few understand the mathematics that actually powers it. This 60-credit, Ofqual-regulated qualification is designed specifically for learners who want to be in that second group.

It covers key Level 5 computing content — digital transformation, information systems and professional communication — while building the advanced statistical knowledge that underpins machine learning and AI. Statistical modelling, regression, algorithmic evaluation — this is the foundation that serious data and AI professionals are built on.

**This is a focused qualification by design — 60 credits, 4 units, all mandatory. No filler. Particularly suited to learners with a background or strong interest in maths.**

All assessments are assignment-based — no exams. Advanced Learner Loans available for eligible UK students.

### Modules & Units — All Mandatory

Unit Name	Credits	Status
Computing Projects for Digital Transformation	15 Credits	✓ <b>Mandatory</b>
Professional Development and Business Communication	15 Credits	✓ <b>Mandatory</b>
Information Systems	15 Credits	✓ <b>Mandatory</b>
<b>Advanced Statistics for Data Science — 15 Credits ✓ Mandatory</b> <i>The core of this qualification. Covers performance evaluation of algorithmic models, statistical prediction and regression, and traditional statistical machine learning algorithms — the essential mathematical foundation for AI.</i>		
<b>Total — All Units Mandatory</b>	<b>60 Credits</b>	

### Entry Requirements

<b>Typical Age</b>	18 and above
<b>Academic Qualification</b>	Prior study in computing or a related subject at Level 4 or above — such as an ATHE Level 4 Diploma/Extended Diploma in Computing, or a Higher Technical Qualification (HTQ) in computing. Equivalent international qualifications are considered.
<b>Maths Background</b>	A genuine ability and interest in mathematics is strongly recommended. The Advanced Statistics unit assumes comfort with mathematical thinking and builds quickly from Level 4 foundations.
<b>English Language</b>	If English is not your first language: IELTS 5.5   CEFR B2   CAE 162+   PTE Academic 42–49

## Progression & Career Outcomes

This diploma is designed to feed directly into further Level 5 study — specifically the ATHE Level 5 Extended Diploma in Computing (Data Technologist) or the AI pathway. From there, you can top up to a full BSc (Hons) at a UK university, typically in one to two additional years of study.

**Typical degree progressions:** BSc (Hons) Data Science, BSc (Hons) Artificial Intelligence, BSc (Hons) Computer Science, BSc (Hons) Business Intelligence.

**Career pathways include** Data Scientist, Machine Learning Engineer, AI Developer, Data Analyst, Quantitative Analyst, Statistical Modeller, Business Intelligence Specialist.

## Ready to master the maths that powers AI?

Enrol now or get in touch — we'll walk you through your options, funding and start dates.

[www.ukversity.co.uk](http://www.ukversity.co.uk)

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*Education That Empowers Lives*