

Mathematics A-Level Part 1

Summary

This course will help you to develop excellent numeracy skills and gain a sound ability to interpret and process data sets. You'll also learn to be resilient and to think creatively and strategically, developing the strong mathematical knowledge needed to write structured solutions and formulate reasoned arguments.

PET offers A-levels in two parts. Upon completing Part 1 of this A-Level, you will be able to take an AS exam, or you can continue on to Part 2 to build up to a full A-level.

You will need to apply for each part separately. You can start an A-level at any time of the year, but exams usually take place in June.

Before making your application, please speak to PET or your education department to find out if your prison can hold A-level exams as many cannot facilitate this. Alternatively, you might be able to take the exams on Release on Temporary Licence (ROTL) or after your release - we will be happy to advise you further on this.

Course Provider	National Extension College (NEC) Woolpack House, 70 High Street, Sawston, CB22 3HJ 01223400200 pet@nec.ac.uk
Qualification Accreditation	Edexcel A-Level ((Exams can only be taken at Edexcel registered centres)
Academic level	3
PET entry requirements	Level 2 English and Maths
Format of course material	This is a paper-based course, but additional data sets are available on CD. These can also be emailed.
Structure of course	Five Lessons: 1. Pure Mathematics 1 (Algebra 1, Indices and surds, coordinate geometry, quadratics, graphs, trigonometry 1) 2. Pure Mathematics 2 (Algebra 2, circles, binomial expansion, differentiation 1, exponentials and logarithms 1) 3. Pure Mathematics 3 (Trigonometry 2, differentiation 2, exponentials and logarithms 2, integration, vectors) 4. Statistics 1 (Mathematical models in statistics, measures of location and spread, representing data, probability, hypothesis testing) 5. Mechanics 1 (Mathematical models in mechanics, Kinematics of a particle moving in a straight line, forces, vectors in mechanics, variable acceleration)

Assignments	Five written assignments. These do not count towards the final grade and are used to check progress and understanding. All materials including assignments are sent at the beginning of the course. Tutors will aim to mark and return assignments with feedback within 5 working days of submission for marking.
Exams	Two exams: 2 hours and 1 hour 15 minutes. Exams are Invigilated/ Closed book and involve answering questions. You will need to apply to us separately for exam fees.
Estimated completion time	150 hours
Maximum course duration	24 months
Prison support requirements	Support assessment submission (ideally scan to the tutor or post). It is recommended to make copies in case assignments get lost; contact supplier for tutor support or more info on assignment submission and arranging exams. See contact details are above in the 'Course provider' section.
Supplier tutor's support	Tutors give support by providing feedback on learners' work and answering their queries. Occasionally providing extra resources.
Certificate	Awarding Organisation Official Qualification Certificate is awarded
Progress	The A-Level Part 2 is a popular follow-up to Part 1, but please contact us if you need advice about other options. Call our free Advice Line on 0800 048 7520 on Tuesdays (10-12pm and 2-4pm) and Thursdays (10am-12pm and 2-6pm).