Mathematics Assessment within the IE University Admission Test

Our Mathematics Assessment is a section of the admissions test for programs within the School of Science and Technology (Bachelor in Applied Mathematics, Bachelor in Computer Science and Artificial Intelligence, Bachelor in Data and Business Analytics, Bachelor in Environmental Sciences for Sustainability). It is a 60-minute test conducted in English, designed to evaluate knowledge in Algebra, Linear Algebra, Calculus, Geometry, and Probability & Statistics. There's a glossary available **here** to assist you with math vocabulary.

What does this portion of the test consist of?

MATHEMATICS ASSESSMENT: 60 MINUTES

- **Algebra: 6 questions, 14 minutes**.
  30% of the exam covers number sets, algebraic rules, integer powers, the Fundamental Theorem of Arithmetic, operations with exponents, radicals, logarithms; intervals, inequalities, absolute values, quadratic equations, and polynomial factoring.

- **Calculus: 5 questions, 18 minutes**.
  25% of the exam covers functions, limits, derivatives, and integrals.

- **Linear Algebra: 3 questions, 11 minutes**.
  15% of the exam covers basic operations with vectors and matrices and solving systems of linear equations (up to 3 variables).

- **Geometry: 3 questions, 10 minutes**.
  15% of the exam covers the cross product, 3D objects, and trigonometry.

- **Probability & Statistics: 3 questions, 7 minutes**.
  15% of the exam covers descriptive statistics, probability, and distributions.

Taking the IE University Admission Test with the Mathematics Assessment

While this test is an important part of the admissions process, it does not solely determine the outcome. Our admissions process is holistic, considering multiple aspects of each candidate's profile.

- Duration of the section: 60 minutes.

- Environment: Make sure you are undisturbed, as the test is time limited.

- Language: The test is available only in English.

- Requirements: You just need some paper and pen. No calculator is needed.

Instructions

- Manage your time wisely; you have a limited amount of time to complete the test.

- Select the correct option for each question; only one answer is correct per question.

- If unsure, select the "I don't know the answer" option, which neither adds nor deducts points.

- Click '>' to proceed to the next question. All questions can be skipped initially, but you must eventually provide an answer, even if it is: "I don't know the answer".

- Navigate freely: You can return to any question at any time by pressing '<' or using the item panel.

- Incorrect answers will result in a deduction of points.

All questions must be answered to complete the test.

Your results will be automatically submitted once you click the 'Complete' on the last question or when the time limit has been reached.

Practice with the sample test