

The digital Test for Academic Studies

Goals, Concept and Test format







Voices of our partners

"The use of the TestAS contributes to the standar-disation and transparency of admission procedures. The TestAS provides an objective and reliable assessment of core cognitive competencies that are essential for successful academic study in Germany – such as analytical thinking, problem-solving skills, and the ability to understand complex interrelationships. Our experience shows a clear correlation between strong TestAS results and academic success."

Monika Sprung
Head of the International Office, Ruhr University Bochum

"The University of Hamburg has been using the TestAS for the past eleven years as part of a bonus system: applicants with a strong TestAS score can improve the grade of their higher education entrance qualification. The TestAS thus enables us to adjust international school-leaving grades through an objective measure of academic aptitude."

Dr Nils Bernstein

Coordinator of German as a Foreign Language Division, University of Hamburg

The TestAS

- is a fair, objective, and transparent assessment instrument for international applicants across all academic disciplines.
- enables quick and clear comparison of applications, even when comparability and reliability of international school and university qualifications is restricted.
- allows for evidence-based prediction of academic success.
- is an efficient instrument for simplifying and validating your selection and admissions processes (applicants simply submit their TestAS certificate along with their application documents).
- ensures high test security (no shipment of materials, test content is transmitted only shortly before the examination, test administration is protected via a secure browser).
- offers a targeted assessment of aptitude: Test construct and topics are based on academic standards and are continuously developed and reviewed in close cooperation with universities.

The use of the TestAS enables

- selection decisions based on rankings (e.g., selecting the top 20%).
- selection decisions based on minimum admission thresholds.
- the combination with additional selection criteria, e.g. within a bonus-points system.
- individual utilisation of results within local admissions procedures.







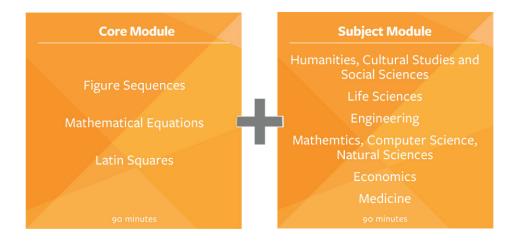






The digital TestAS

- is a standardised cognitive study aptitude test measuring both general and subject-specific suitability (for six different fields of study).
- is employed by many universities in Germany as a valid, fair, and objective selection instrument.
- is tailored specifically for undergraduate studies in Germany.
- is offered in the test languages German and English (language proficiency levels A2 to B2, CEFR).
- is administered worldwide under supervision at licensed g.a.s.t. test centres.
- consists of two parts:
 - Core Module: assessment of general cognitive abilities relevant to academic study.
 - Subject Module: assessment of subject-specific competencies (six selectable modules).

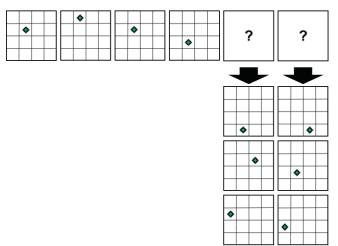


The Core Module of the digital TestAS

- comprises three extensively tested and reliable task formats.
- assesses cognitive competencies such as working memory, logic, and analytical thinking.
- reflects the latest research developments in cognitive psychology.
- possesses high psychometric quality.
- contains entirely language-free tasks, except for the instructions.

Figure Sequences

In these tasks, participants are presented with a series of images (matrices). The figures within the matrices may change their position, colour, and/or orientation from one matrix to the next according to specific rules. Participants are required to logically continue the sequence and determine the appearance of the subsequent matrices.



Mathematical Equations

In this task type, participants are required to solve systems of equations. A system of equations always consists of multiple equations. Participants must determine which numbers need to be assigned to the unknowns (represented by letters) so that all equations hold true. For each letter, there is only one solution that satisfies all the given conditions. Each letter can take a value between 1 and 20.

$$3 \times C = A$$

 $A + C = 8$
 $2 \times A + 2 \times C = B$

Latin Squares

In this task type, participants are presented with grids consisting of 5 rows and 5 columns. Some of the grid cells contain letters. Participants must decide which letter should replace the question mark. Each letter may appear once only in each row and column.

		square		
В	?	A	D	
A	В	E	С	
	A			
C			E	
D	E		В	

A B C D E

The Subject Module in the Digital TestAS

The contents of the Subject Modules

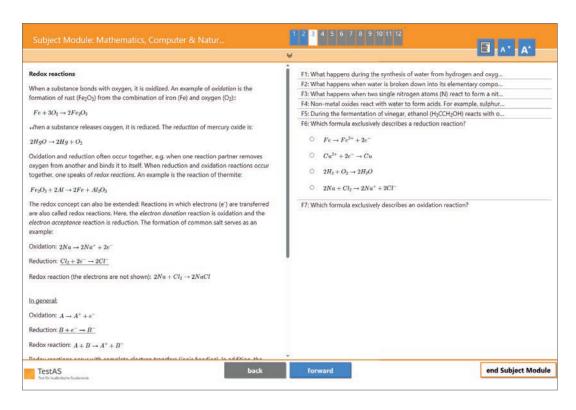
- are defined in cooperation with universities and continuously developed together with university representatives.
- are established and weighted based on taxonomies and rating studies.
- are specifically tailored to the current academic focus of the targeted study programmes and to the academic demands of studying in Germany in general.

The tasks in the Subject Modules assess

- fundamental subject-specific knowledge,
- application competence,
- the ability to transfer knowledge, and
- content and formats typical of the respective field of study.

The tasks in the Subject Modules consist of

- an input providing subject-specific information on a particular issue, and
- a question section with 4 to 10 single-choice questions.



The Certificates

- are available for download approximately 2 to 3 weeks after the examination date.
- report results for the Core Module, the Subject Module, and the overall test using two metrics: percentile rank and TestAS Score.
- are valid indefinitely.

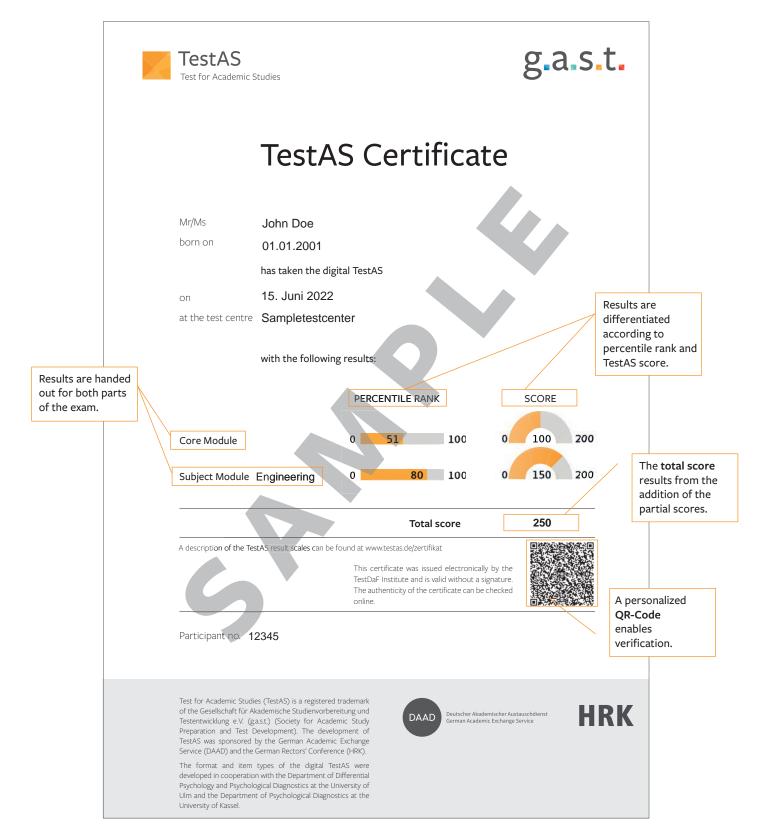
The **percentile rank** allows for the comparison of a participant's performance with that of other participants. A percentile rank of 70, for example, means that 70% of all participants achieved a lower or equal score, while 30% achieved a higher score. Universities can use the percentile rank to establish a ranking (e.g. by selecting applicants with the top 10 percentile ranks).

The **score** is a conversion of the raw test result into a **standardised** value ranging from o to 200. The average score is set at 100. The TestAS score makes it easy to determine whether a performance falls within the lower or upper average range (50–100 or 100–150), or whether it represents an above-average result (150–200).

The overall score is calculated by adding the scores from the Core Module and the Subject Module, resulting in a total score ranging from 0 to 400.













The Gesellschaft für Akademische Studienvorbereitung und Testent-wicklung e.V. (Society for Academic Study Preparation and Test Development; g.a.s.t.) is a non-profit organisation with around 100 employees and a network of more than 1,000 partner institutions in over 100 countries.

g.a.s.t. is Germany's leading provider of internationally certified language and aptitude tests for university admission and also operates an online language learning platform. Through research projects, g.a.s.t. contributes to content-based and technological innovation in national and international education. Teachers, academics, and test centres benefit from a wide range of professional development opportunities offered by the g.a.s.t. Academy.

Members of ga.s.t. include the German Rectors' Conference (HRK), the German Academic Exchange Service (DAAD), the Goethe-Institut, the universities of Hagen, Bochum, Leipzig, and Munich, as well as the FaDaF and the AKS.

The g.a.s.t.-owned TestDaF Institute is affiliated with the University of Hagen (FernUniversität in Hagen) and Ruhr University Bochum as an associated institute (An-Institut).

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c/o TestDaF-Institut | Universitätsstr. 134 | 44799 Bochum | Deutschland kontakt@gast.de | www.gast.de