

GRE Syllabus

GRE Syllabus for General Test in 2024

The GRE syllabus for the General test is broadly divided into three sections - Verbal Reasoning, Quantitative Reasoning and Analytical Writing (AWA). It measures the test takers' verbal reasoning, quantitative reasoning, critical thinking, and analytical writing skills—skills that are developed over a long period of time and aren't related to a specific field of study but are important for all.

Note: Among the three sections in the GRE syllabus, only Quantitative and Verbal reasoning scores will add up to your GRE scores.

GRE Syllabus for Verbal Reasoning

The [GRE Verbal Reasoning](#) section assesses the test taker's ability to understand the meaning of words, entire texts, and sentences. It measures your understanding of relationships among words and concepts and your ability to analyse relationships among component parts of sentences.

You need to analyse and draw conclusions from discourse, have the ability to reason behind incomplete data, identify the author's assumptions/ perspective, and understand multiple levels of meaning like literal, figurative, and author's intent. Then, select the important and relevant points, summarise them, and write them.

List of topics covered in GRE Verbal syllabus includes:

- Idioms & Idiomatic Expressions
- Pronoun Agreement
- Subject-Verb Agreement
- Modifiers
- Verb Tense
- Basic Sentence Structure: Nouns, Pronouns, Adjectives and Adverbs
- Parallelism

The GRE Verbal Reasoning Syllabus is divided into three parts:

- Reading Comprehension
- Sentence Equivalence
- Text Completion

Reading Comprehension:

The reading comprehension requires you to answer questions from four to five passages based on three different subject areas - humanities, natural science, and social science (Business). Reading comprehension tests your ability to understand what you are reading. The exam contains approximately 10 passages (academic & non-academic) and three

question types. You must read and analyse the passage carefully before answering the questions. If you encounter an unfamiliar passage, don't be discouraged. Do not rely on outside knowledge, but answer the questions based on the information given in the passage. Remember: All questions can be answered based on the information provided in the passage.

Sentence Equivalence:

The sentence equivalence assesses your ability to conclude a passage based on partial information. You need to choose two ways to complete the sentence that has the same meaning and is grammatically correct. Remember: When you select your pair of answer choices, ensure that each one produces a logically, grammatically, and stylistically coherent sentence.

Text Completion:

The text completion tests your ability to derive a complete picture from the text represented. To ace this section, you not only need to know the words but also be well aware of the meaning. Actually, both Sentence equivalence and text completion assess the candidate's grasp of vocabulary. Remember: Read through the passage to get an overall sense of it.

GRE Syllabus for Quantitative Reasoning

The [GRE Quantitative Reasoning](#) section assesses your ability to solve problems using mathematical models. You need to understand, analyse, and interpret quantitative information. To perform well in this section, you need to apply basic elementary mathematical concepts and skills like arithmetic, geometry, algebra, probability, and data analysis.

The list of topics covered in the GRE quant syllabus is as follows.

Arithmetic

- Property and types of integers
- Powers and roots
- Statistics
- Estimation
- Number properties
- Percentage
- Exponents and Roots
- Ratio and proportions
- Simple and Compound Interest
- Arithmetic Operations
- Decimal representation
- Sequences of numbers

Geometry

- Lines and angles

- Circles
- Triangles (including isosceles, equilateral and 30° - 60° - 90° triangles)
- Quadrilaterals
- Polygon
- Three-dimensional figures
- Area, Perimeter, Volume
- Angle Measurement in degrees
- Congruent and similar figures
- Volume
- The Pythagorean theorem

Data Analysis

- Descriptive statistics such as Mean, Median, Range, Mode, Percentiles, etc.
- Interpretation of data based on graphs, circle graphs, scatter plots, and frequency distributions
- Elementary probability, such as probabilities of compound events and independent events
- Conditional probability
- Permutation and Combination
- Venn Diagrams
- Sets Theory

Note: These topics are taught in high school algebra or introductory statistics courses.

Algebra

- Operations with exponents
- Algebraic Expressions – Factoring and Simplifying
- Equations and inequalities
- Linear and Quadratic inequalities
- Linear equations
- Quadratic equations
- Word problems
- Speed, Distance and Time
- Profit and Loss
- Coordinate geometry, including graphs of functions, equations and inequalities, intercepts and slopes of lines.

GRE Syllabus for Analytical Writing (AWA)

The [GRE Analytical Writing](#) section measures your ability to articulate and support complex ideas clearly and effectively, construct arguments, and your ability to sustain a well-focused and coherent discussion. Remember: This section measures your analytical writing and critical thinking skills.

The GRE analytical writing syllabus has two tasks of thirty minutes each:

- **Analyse an Issue:** It requires you to present an option on the issue of general interest according to specific instructions on how to respond to that issue.
- **Analyse an Argument:** It requires you to assess a given argument as per the given specific instructions.

The Analytical Writing task measures a wide range of subjects — from fine arts and humanities to social and physical sciences. You do not need knowledge of a specific topic. Regardless of your field of study or interests, you will be able to understand the task. The task elicits the type of complex thinking and persuasive writing that are important for success in graduate schools.

GRE Subject Tests Syllabus 2024

The GRE Subject Tests Syllabus includes the following disciplines that are intended to measure your knowledge in a particular subject:

1. Chemistry
2. Mathematics
3. Physics
4. Psychology

GRE Chemistry Syllabus

Chemistry in the GRE Subject Tests consists of approximately 130 multiple-choice questions. The list of topics are:

- Analytical Chemistry (15% covered)
- Inorganic Chemistry (25% covered)
- Organic Chemistry (30% covered)
- Physical Chemistry (30% covered)

GRE Mathematics Syllabus

This subject test contains approximately 66 multiple-choice questions drawn from undergraduate courses. The list of topics includes:

- Calculus (50% covered)
- Algebra (25% covered)
- Additional Topics (25% covered)

GRE Physics Syllabus

Physics in the GRE Subject Tests' consists of approximately 100 five-choice questions, categorised based on materials such as graphs, diagrams and experimental data. The list of topics includes:

- Classical Mechanics - (20% covered)

- Thermodynamics and Statistical Mechanics - (10% covered)
- Quantum Mechanics - (12% covered)
- Electromagnetism - (18% covered)
- Special Relativity - (6% covered)
- Laboratory Methods - (6% covered)
- Optics and Wave Phenomena - (9% covered)
- Atomic Physics - (10% covered)
- Other Specialised Topics - (9% covered)

GRE Psychology Syllabus

Psychology is one of the interesting subjects in the GRE Subject Tests. It approximately contains 205 multiple-choice questions. The Psychology topics include:

- Cognitive (It covers 17 - 24%)
- Developmental - (It covers 12 - 14%)
- Measurement/Methodology/Others - (It covers 15 - 19%)
- Biological - (It covers 17 - 21%)
- Clinical - (It covers 15 - 19%)
- Social - (It covers 12 - 14%)