

# ISRO Scientist Engineer Syllabus || Check Scientist Engineer Exam Pattern @ [www.isro.gov.in](http://www.isro.gov.in)

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## ISRO Scientist Engineer Exam Pattern

Type of the Exam	Name of the Subjects	Total Marks
Objective Type Test	Related subject Discipline	80

## ISRO Scientist Engineer Syllabus

### Civil Engineering

- Structural Engineering
- Steel Design.
- Building Materials.
- Irrigation Engineering.
- Estimating, Costing, and Valuation.
- Surveying.
- Theory of Structures.
- RCC Design
- Transportation Engineering.
- Soil Mechanics.
- Hydraulics.
- Environmental Engineering.
- Concrete Technology.

### Electrical Engineering

- Electrical Machines.
- Fractional Kilowatt Motors.
- Basic concepts.
- Transmission and Distribution.
- Estimation and Costing.
- Magnetic Circuit.
- Generation.
- Circuit law.
- AC Fundamentals.
- Basic Electronics.
- Measurement and Measuring Instruments.
- Single phase induction Motors.
- Synchronous Machines.
- Utilization and Electrical Energy.

## **Electronics Engineering**

- Transducers, Mechanical Measurement, and Industrial Instrumentation.
- Control Systems and Process Control.
- Analytical, Optical Instrumentation.
- Analog Electronics.
- Basics of Circuits and Measurement Systems.
- Digital Electronics.
- Electrical and Electronic Measurements.
- Signals, Systems, and Communications.

## **Mechanical Engineering**

- Hydraulics.
- Theory of Machines.
- Heat Engines.
- Fluid Mechanics.
- Automobile Engineering.
- The strength of Materials.
- Structural Engineering.
- Thermodynamics.
- Manufacturing Technology.
- Industrial Engineering & Management etc.

## **Computer Science Engineering**

- Computer Networks.
- Theory of Computation.
- Web technologies.
- Information Systems and Software Engineering.
- Databases.
- Computer Organization and Architecture.
- Operating System.
- Compiler Design.