

# GATE Paper Codes & Career Paths

Graduate Aptitude Test in Engineering | GATE 2025 Information Brochure

While filling out the GATE application form, candidates must keep the subject paper code in mind. As per the GATE 2025 Information Brochure, candidates can choose a maximum of two subject papers from the list of 30 available options. It is recommended that candidates choose papers related to their qualifying degree; however, candidates are free to choose any subject paper as per their future admission goals – just make sure to check the eligibility criteria of the institutes where you plan to apply. The subject codes are listed below.

## List of Subject Papers and Codes

| Paper                                     | Code |
|-------------------------------------------|------|
| Aerospace Engineering                     | AE   |
| Agricultural Engineering                  | AG   |
| Architecture and Planning                 | AR   |
| Biotechnology                             | BT   |
| Bio-medical Engineering                   | BM   |
| Civil Engineering                         | CE   |
| Chemical Engineering                      | CH   |
| Computer Science & Information Technology | CS   |
| Chemistry                                 | CY   |
| Data Science & Artificial Intelligence    | DA   |
| Electronics and Communication Engineering | EC   |
| Electrical Engineering                    | EE   |
| Environmental Science and Engineering     | ES   |
| Ecology and Evolution                     | EY   |
| Geomatics Engineering                     | GE   |
| Geology and Geophysics                    | GG   |
| Instrumentation Engineering               | IN   |
| Mathematics                               | MA   |
| Mechanical Engineering                    | ME   |
| Mining Engineering                        | MN   |

| Paper                                   | Code |
|-----------------------------------------|------|
| Metallurgical Engineering               | MT   |
| Naval Architecture & Marine Engineering | NM   |
| Physics                                 | PH   |
| Production and Industrial Engineering   | PI   |
| Petroleum Engineering                   | PE   |
| Robotics & Automation                   | RA   |
| Statistics                              | ST   |
| Humanities and Social Sciences          | XH   |
| Engineering Sciences                    | XE   |
| Life Sciences                           | XL   |

## Career Paths After GATE

With a successful attempt in GATE, an aspirant can choose the most suitable option from a wide range of roads leading to their final career destination:

- Pursue M.Tech / M.S / M.E / Ph.D from IISc Bangalore, IITs, NITs, IIITs, and other reputed institutes.
- Pursue a Post Graduate Diploma in Industrial Engineering (PGDIE), Manufacturing Management (PGDMM), or Project Management (PGDPM) from NITIE Mumbai.
- Get recruited by reputed Maharatna and Navratna PSUs and research organizations on the basis of GATE score – e.g. IOCL, NTPC, BHEL, PGCIL, BARC, CSIR.
- Teaching roles such as Professor or Assistant Professor at IITs, NITs, and other reputed educational institutes.
- Junior Research Fellow positions at ISRO, DRDO, BARC, CSIR, IITs, etc.
- Senior Research Fellow positions at ISRO, DRDO, BARC, CSIR, IITs, etc.
- Junior / Senior Research Associate roles.
- Scientist 'C' grade government jobs.
- Lucrative opportunities in research & development after post-graduation.
- Shortlisting by multinational firms on the basis of GATE score.
- Admission to M.S. or Ph.D. programs at some international universities on the basis of GATE score.