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Programmer is the post at which a computing education turns directly into a government job in Rajasthan. In the Department of Information Technology and Communication and across other departments, the post develops and maintains...



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करियर मार्गदर्शन कार्यशाला, डाइट बाड़मेर (14-17 जुलाई 2026) में विकसित व लोकार्पित
Developed & unveiled at the Career Guidance Workshop, DIET Barmer (14-17 July 2026)

यह एक स्वतंत्र परियोजना है, जो सरकार की आधिकारिक करियर-मार्गदर्शन सामग्री पर आधारित है। · An independent project based on the Government's official career-guidance content.

1 About this career

Programmer is the post at which a computing education turns directly into a government job in Rajasthan. In the Department of Information Technology and Communication and across other departments, the post develops and maintains government software and portals, manages departmental data, translates what user departments need into technical terms, and supervises junior programming staff. The portals you apply for a scholarship on, the systems that pensions and rations are attached to, and the data a department's reports are built from — this cadre works behind all of them. It is one of the few state government posts where a B.E., B.Tech., M.Sc. or M.C.A. is itself the main qualification, and where your technical skill is used directly in the day's work.

2 At a glance

Minimum qualification	B.E. / B.Tech. / M.Sc. in Information Technology, Computer Science, or Electronics and Communications; or M.C.A. — from a recognised University established by law in India (Service Rules 1992, Schedule serial 5). No experience is required.
Recruiting body	Rajasthan Public Service Commission (RPSC), Ajmer — department: Information Technology & Communication
Age limit	21 to 40 years (the 40 was substituted by an order dated 06-03-2018) — the upper limit is relaxed for reserved categories and for women (detail below)
Starting salary	The pay matrix level is not given in the service rules — see the advertisement
Demand	50% direct recruitment, 50% promotion — half the posts are filled by promotion from Assistant Programmer

3 What you need

INTERESTS

- An interest in programming and building software
- The orderly management of data, databases and systems
- Solving problems by reasoning, then turning the solution into a system others can use

ABILITIES

- Logical ability — finding a fault in a program demands both patience and step-by-step thinking
- Explaining a technical point to a non-technical officer — half of a government programmer's work is exactly this
- The habit of teaching yourself new technology, because what runs today in this field will not be what runs in five years

KEY SKILLS

- Solid programming in at least one language — Java, C#/.Net, Python or PHP
- Web and mobile application development, since government services now reach people through these
- Gathering requirements and writing technical documentation
- Database design and SQL
- An understanding of information security and the confidentiality of citizens' data
- Supervising a team and vendor work — government projects are often executed through outside agencies

4 How to get there

- 1 Do Class 12 in science with mathematics if you want the B.E./B.Tech. route. That is the most direct path.
- 2 Take a four-year B.E. or B.Tech. in Computer Science, Information Technology, or Electronics and Communications. Note the rule names only these three branches; a B.Tech. in mechanical, civil or electrical does not qualify for this post.
- 3 Or take an M.C.A. This is the route open to graduates who did not do engineering — a BCA, B.Sc. or other graduate can come this way, provided the university's own mathematics entry condition is met, which differs from university to university and should be checked in its admission prospectus.

- 4 One point many students learn late: a BCA or a B.Sc. (Computer Science) is not by itself enough for this post. The rule asks for a B.E./B.Tech. at the graduate level, or an M.Sc./M.C.A. at the postgraduate level — so after a BCA you would need to add an M.C.A. or an M.Sc.
- 5 The degree must be from a University recognised and established by law in India. If you are studying privately or by distance mode, check this beforehand, not afterwards.
- 6 Your age must be between 21 and 40, and you apply when the RPSC advertisement appears.

MAIN EXAMS

- The most important point first — three different versions of this post's qualification circulate on the internet and in older coaching material, and two of them no longer apply. The oldest asked for training in BASIC and COBOL and two years of experience. The middle one (from 10.01.2013) asked for an MCA/B.E./B.Tech./M.Tech./M.B.A.(IT) together with two years of experience in JAVA, Dot Net, VB or J2EE. The version in force now is different from both, and it carries no experience requirement at all. The plain consequence is that a fresh graduate is eligible for this post — if you have read somewhere that two years of experience are needed, that was the older text.
- RPSC advertises two posts in this cadre separately — Programmer, and Analyst-cum-Programmer. Advertisements for both appeared in 2024. Note that the Analyst-cum-Programmer advertisement describes it as a Deputy Director grade post, so it is a higher post and not another name for Programmer. Check this distinction when applying.
- The recruitment structure is worth understanding: 50% of posts are filled by direct recruitment and 50% by promotion. The proportion was formerly 60:40 and was substituted with effect from 01-04-2011. Promotion comes from the post of Assistant Programmer, which requires five years of service. Practically, the posts you see in an advertisement are only about half of the total sanctioned strength.
- Selection follows the Commission's recruitment process, and its detailed shape — the number of papers, subjects and marks — is given in that cycle's advertisement. That detail is not printed on this page because the service rules do not schedule a fixed examination scheme for this post; take it from the advertisement itself. For preparation, it is useful to work on both the core computer science subjects — data structures, databases, operating systems, networking and programming — and Rajasthan general knowledge.

- Note — this post is not in the Schedules to the CET Rules 2022, so a CET score is not required for it. It is a Commission post, not a Board post.
- Relaxation in the upper age limit — 5 years for male candidates of the Scheduled Castes, Scheduled Tribes, Backward Classes, More Backward Classes and Economically Weaker Sections; 5 years for women candidates of the General category; and 10 years for women candidates of those same categories. Which means plainly that the bare figure printed against a post understates a reserved-category woman's eligibility by a decade — if you are in that category, work out your eligibility only after adding the relaxation. In Rajasthan, 30% of the posts in direct recruitment are reserved category-wise for women candidates. Widows and divorced women have no upper age limit at all — the rules say it in those words. It is Rule 13(9) of the Rajasthan State and Subordinate Services (Direct Recruitment by Combined Competitive Examination) Rules 1999, it appears again as the same proviso in the Rajasthan Medical & Health Subordinate Service Rules, and RPSC advertisements reproduce it. A widow must furnish a certificate of the death of her husband from the competent authority, and a divorced woman the proof of divorce. The exact terms of relaxation and reservation are given in that recruitment's own advertisement.

5 Where to study

GOVERNMENT INSTITUTES

- MNIT Jaipur — B.Tech. and M.Tech. in Computer Science — Jaipur, Rajasthan (<https://mnit.ac.in/>)
- Rajasthan Technical University and its affiliated government engineering colleges — B.Tech. in CS, IT and Electronics & Communications — Kota, and government engineering colleges across the state (<https://www.rtu.ac.in/>)
- University of Rajasthan and the state universities — M.C.A. and M.Sc. (Computer Science) — Jaipur, Jodhpur, Udaipur, Ajmer, Kota (<https://uniraj.ac.in/>)

- Government polytechnic colleges — the diploma route, which reaches Informatics Assistant and Assistant Programmer rather than this post — In many districts of Rajasthan (<https://dte.rajasthan.gov.in/>)

ONLINE

- सूचना प्रौद्योगिकी एवं संचार विभाग, राजस्थान — This is the department the post belongs to (<https://doitc.rajasthan.gov.in/>)
- स्वयं (SWAYAM) एवं एन.पी.टी.ई.एल. — कंप्यूटर विज्ञान के निःशुल्क पाठ्यक्रम, आई.आई.टी. के प्राध्यापकों द्वारा — Government of India (<https://swayam.gov.in/>)
- AICTE and UGC — check whether a university or programme is recognised before you enrol — The rule requires a recognised university, so make this check first (<https://www.ugc.gov.in/>)
- आर.एस.एस.बी. — पिछले प्रश्न-पत्र, उत्तर कुंजी व पाठ्यक्रम (निःशुल्क) — The Staff Selection Board's own site — the most reliable free preparation material there is (https://rsmssb.rajasthan.gov.in/show_archived?menuName=Xj4lCb9vGxpQnfls%2FxlZ2g%3D%3D)
- विभागीय सेवा नियम (कार्मिक विभाग) — पद की योग्यता व आयु मूल दस्तावेज़ में पढ़ें — The Department of Personnel publishes the service rules for every cadre. Read these before any coaching material — qualification, age and the method of recruitment are settled here and nowhere else. (<https://dop.rajasthan.gov.in/>)
- स्वयं (SWAYAM) — भारत सरकार के निःशुल्क ऑनलाइन कोर्स — Free (<https://swayam.gov.in/>)
- राष्ट्रीय डिजिटल पुस्तकालय (NDLI) — Free books and study material (<https://ndli.iitkgp.ac.in/>)
- एन.सी.ई.आर.टी. — निःशुल्क पाठ्यपुस्तकें — The foundation for general knowledge, maths and science (<https://ncert.nic.in/>)

FEES

The cost depends on which route you take, and that is the most practical fact about this post. A B.Tech. at a government engineering college costs several times less than at a private college, and admission goes on REAP/JEE Main marks — so effort after Class 12 converts directly into money. The M.C.A. route is often cheaper still, because fees at government universities are low and it can be taken after a graduation in any stream, provided the university's mathematics condition is met. Expensive institutes are not needed to learn programming — IIT courses are free on SWAYAM and NPTEL, and what counts most in this field is projects you have built yourself, not the number of certificates. One warning — expensive "placement guarantee" courses at private institutes add nothing to eligibility for this government post; the rule looks only at the degree.

SCHOLARSHIPS

- Mukhyamantri Anuprati Coaching Yojana (free coaching, apply via SSO) (<https://sso.rajasthan.gov.in/signin>)
- Rajasthan Social Justice and Empowerment Dept scholarships (<https://sje.rajasthan.gov.in/>)
- National Scholarship Portal (NSP) (<https://scholarships.gov.in/>)

- Buddy4Study scholarship search (<https://www.buddy4study.com>)

6 What the work is like

WHERE YOU WORK

The Department of Information Technology and Communication, the state data centre, and the IT units of various departments — mainly at Jaipur and district headquarters. The work is almost entirely at a desk and a computer.

WORK CULTURE

This post differs from a private-sector software job in one important respect, and it is honest to know it in advance. The pace here is slower and the technology is often not the newest in the market — government systems run for years, so there is more maintenance of them than new building. On the other hand, the scale is one the private sector rarely offers: the system you build is used by lakhs of citizens, and a single mistake can stop someone's pension or scholarship. The demand for care is therefore unusually high. A large part of the work is not technical but coordinating — understanding what a department wants, getting the work done through an outside agency, and checking it. A student drawn only by the appeal of writing code finds this part unexpected. Pay and the pace of promotion are slower than in the private sector, but the stability, fixed hours and social security are not available there.

WHO HIRES

- Department of Information Technology & Communication (DoIT&C), Rajasthan
- The IT units of various departments, directorates and corporations
- RajCOMP Info Services Limited (RISL) and the state data centre
- The technical set-up of eMitra and e-governance at district level

DEMAND (2026)

Nearly every service of the state is now online — scholarships, pensions, rations, land records, health and education — and because of that the need for technical people inside the government machinery is a standing one. Two things should still be kept in view. First, half the posts in this cadre are filled by promotion, so direct-recruitment vacancies are about half the total and the advertisement does not come every year. Second, a great deal of the government's technical work is done through outside agencies and staff engaged on contract, so a rise in the volume of work does not mean permanent posts rise in the same proportion. One real advantage of preparing for this post is that the same degree and the same skills also work in the private sector, in central government recruitments, in bank IT recruitment and in public undertakings — so preparing does not narrow your options. The number of posts describes the department's requirement, not your chances of selection. One thing to be clear about — the "demand" described above counts posts, not your chance of getting one. Selection is by open competition and the number of applicants runs to many times the number of posts, so most candidates are not selected in any given recruitment. That is not an argument against this career; it is an argument against making it your only plan. Keep studying or building a skill alongside your preparation, so that the year is not lost whichever way the result goes.

7 Career growth

- 1** Informatics Assistant and Assistant Programmer — the posts below in this cadre; Assistant Programmer was formerly called "Computer Operator" and was renamed
- 2** Programmer — 50% by direct recruitment, 50% by promotion from Assistant Programmer on five years of service
- 3** Analyst-cum-Programmer — the RPSC advertisement describes this as a Deputy Director grade post
- 4** Joint Director and above — the senior level of the department's technical wing

EARNINGS

Starting	विज्ञप्ति में घोषित पे मैट्रिक्स स्तर के अनुसार
Mid level	₹55,000 – ₹75,000 (भत्तों सहित, कुछ वर्षों बाद)
Senior level	₹90,000 से अधिक (भत्तों सहित, वरिष्ठ स्तर पर)

The copy of the 1992 service rules that was read does not give a pay matrix level for this post, so no starting figure is printed on this page — it will be in that cycle's advertisement. The mid-level and senior figures above are approximate and are not confirmed from any official document; read them as a direction, not a promise. One thing is worth saying plainly: on the same degree, a private-sector software job can start higher than this, and with experience the gap can widen. What weighs on this side of the scale is not pay but stability, fixed hours, pension security and the balance of work and life. Make this choice with both sides in view, not with one of them hidden. The starting figure is BASIC PAY, so that it can be compared directly against other careers. Dearness allowance (60% of basic since 1 January 2026) and house rent allowance are added on top of it, so take-home pay is appreciably higher. The mid-level and senior figures are approximate monthly income including allowances, not basic pay. Note — in Rajasthan a direct recruit is a probationer-trainee for the first 2 years and is paid a fixed remuneration, not the pay scale; dearness allowance and house rent allowance are not payable in those two years (Rajasthan Service Rules, rule 7(30A)). The full pay scale applies once probation is completed. The pay matrix level for this post could not be confirmed on this page from an official document — it is not in the service rules and not in the CET Rules 2022 schedule. No level is therefore stated here. The correct figure is printed in the official advertisement for the recruitment; check it there before applying. The figures above rest on the Rajasthan 7th pay matrix, which is what applies as of 17 August 2026. The Terms of Reference of the 8th Central Pay Commission were approved on 28 October 2025 and it must report within 18 months of its constitution. State governments normally adopt a Central Pay Commission with modifications, and later than the Centre does — so Rajasthan pay will be revised too, though by how much and when is not yet settled.

8 The good parts · The challenges

The good parts

- A technical degree is used directly in the work — the connection between what you studied and what you do is a direct one here
- The rule in force carries no experience requirement, so a fresh graduate is eligible
- The same qualification also works in the private sector, in central recruitments and in bank IT recruitment
- Fixed hours and stability compared with the private sector

The challenges

- Half the posts go by promotion, so direct-recruitment vacancies are limited and irregular
- The list of qualifications is closed — a BCA, a B.Sc. (CS) or a B.Tech. in another branch does not qualify
- On the same degree, the private sector can start higher
- The technology is often not the newest, and much of the work is maintenance and coordination

9 Sources & further reading

1. Department of Personnel, Rajasthan — Rajasthan Computer State and Subordinate Service Rules, 1992 — https://dop.rajasthan.gov.in/writereaddata/modulCategory/202305080602428172954Doit1992_merged.pdf
2. Rajasthan Public Service Commission — advertisements — <https://rpsc.rajasthan.gov.in/advertisements>
3. RPSC — Programmer recruitment advertisement, 2024 — <https://rpsc.rajasthan.gov.in/Static/RecruitmentAdvertisements/54F7C36DA666446EBA3A9DD36BE40058.pdf>

4. Department of Information Technology & Communication, Rajasthan — <https://doitc.rajasthan.gov.in/>
5. Rajasthan Staff Selection Board (official) — <https://rssb.rajasthan.gov.in/>
6. Department of Personnel, Rajasthan — service rules — <https://dop.rajasthan.gov.in/>
7. 8th Central Pay Commission — Cabinet approval of the Terms of Reference (PIB, 28 October 2025) — <https://www.pib.gov.in/PressReleasePage.aspx?PRID=2183289>

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