

## Hardware and networking course fees structure

Hardware and Networking Courses Details Courses: - Apart from academic courses, short-term certificate courses exist. - Certificate courses include PC hardware & networking, network administration, medical electronics repair & maintenance, VLSI design, and career opportunities. Career Opportunities: - With computers becoming increasingly integral to daily life in both private and public sectors, the demand for professionals skilled in hardware and networking has grown. - This growth offers numerous job opportunities for those who complete these courses. Job Roles: - Some of the various types of jobs available after completing a networking course include system administrator, network engineer, network administrator, IT administrator, security database development and administrator, recurity database development and administrator, security database development and administrator. completing a diploma in networking and hardware. The initial salary for such professionals can be around Rs. 1.5-2 Lakhs per year, which may increase based on experience. After completing the diploma course, students can opt for bachelor's courses that last four years and cover topics like BCA in Hardware & Networking and Sc in Hardware & Networking. The postgraduate masters courses are offered after completing the bachelor's degree and typically last two years. There are various short-term certification, medical electronics repair and maintenance, embedded system design using 8051 microcontroller, mobile repair and maintenance, and VLSI design. These courses can provide valuable skills and certifications for aspiring professionals is on the rise due to the increasing use of computers, laptops, mobiles, desktops, and internet in private and government organizations. Job roles offered include system administrator, network engineer, network administrator, security database development and administrator, security database development and more. Upgrading computer performance by installing new RAM and storage devices will introduce you to various hardware components and networking concepts, making it easier for you to identify issues and save costs on hiring a professional. You might have also encountered configuring routers, gateways, IPs, and firewalls to troubleshoot technical problems for others. Let's break down the definitions of Hardware and Networking: Hardware refers to all physical parts of a computer system, including motherboard, graphics card, RAM, monitor, keyboard, mouse, hard drive, speakers, etc. You can physically touch these components. Networking involves connections to share resources, allowing data exchange between devices. This field in computer science enables computers to communicate with each other. IT professionals specializing in Hardware and Networking can hold various positions, such as providing field support, working at a Help Desk, or managing network infrastructure. Organizations need skilled Hardware and Networking certifications. This demand is expected to grow in the future, offering high-paying job opportunities for certified professionals. Knowledge of technical and analytical skills is essential for a hardware networking professionals. Knowledge of technical and analytical skills is essential for a hardware networking professional. criteria based on their educational background, ranging from certificate level to master's degree. Cisco certifications have multiple levels including Entry, Associate, Professional, Expert, and Architect. Linux is a popular course for learning LAN administration among certificate courses that offer to learn network security, ethical hacking, and network security. Hardware and networking courses are in-demand among Indian students as they are job-oriented. Diploma in Computer Hardware Maintenance and Networking, Diploma in Computer Networking and Hardware, and Diploma in Computer Networking Technology (DCNT). A standard diploma course is a 3-year program, while some institutes offer 1-2 year courses. Bachelor's Courses offer: BCA in Hardware & Networking - both 3 years programs. Students can pursue these courses after completing their 10+2 with Physics, Chemistry, and Maths as subjects from a recognized board. Post-graduate Courses offer: M.Tech in Network Engineering, Postgraduate Diploma in Hardware & Networking, and M.Sc in Hardware and Networking, and M.Sc in Hardware and Networking, and M.Sc in Hardware & Networking, and M.Sc in Hardware and Networking, and M.Sc in Hardware & Networking, and M.Sc in Hardware and Networking, and M.Sc in Hardware & Networking, and Networking, and N hardware and networking courses, one must possess analytical skills to evaluate networks, communication skills to describe problems, computer equipment, multitasking skills to handle multiple tasks, and problem-solving skills to fix issues. Admission Process: Candidates must pass intermediate exams with the PCM group to pursue diploma and degree courses. Some institutions organize entrance tests for providing admission in bachelor's degree programs. After completing their degree, and admission to M.Tech is done through ranking in the Graduate Aptitude Test in Engineering (GATE). M.Tech program candidates undergo an annual entrance exam test for selection. The course syllabus includes Hardware and Networking topics such as Computer Networks, Software Implementation, Linux Administration, Basic Electronics, and Microprocessor. Additionally, it covers Windows Server Administration, Communication, Soft Skills, Database Administration, PC Assembling, Troubleshooting, and Fundamentals of Information Theory and Operating Systems. After completing these courses, graduates can expect a wide range of job opportunities due to the increasing demand for IT professionals in various sectors like colleges, hospitals, banks, and government organizations. These individuals help design, build, and maintain IT infrastructure, making them essential in hardware manufacturing companies, software firms, call centers, and telecom industries. With a master's degree in Hardware manufacturing companies, software firms, call centers, and telecom industries. network administrators, security administrators, system administrators, architects, and more. The certification received through these courses can lead to high-paying jobs, with IT software industries being the primary recruiters. Some of the key branches and job roles available after completing Hardware and Networking courses include: \* Network Engineer \* IT Administrator \* System Manager \* Network Technicians, for instance, play a crucial role in setting up networks, installing hardware and software, and maintaining system security. The average annual salary for server technicians is around ₹80,000, with the possibility of working off-hours due to potential faults that need immediate attention. As such, being on call and prepared to work at any cost. As a Network Support Technician, you'll maintain and develop networks by troubleshooting computer issues and providing technical guidance to employees. Your goal is to create a seamless network system that drives business success. This role may be internal or external, with some large organizations having dedicated teams. You can also work in customer support help desks, requiring travel to client sites. The average salary for this position is around ₹7,00,000 per annum. Network Systems including LANs, WANs, and internet connectivity. Their responsibilities include: \* Network security maintenance \* Third-party tool evaluation and recommendations \* Monitoring of network performance \* Analysis, configuration, and installation of networks \* Customer assistance with OS and router, firewall, and switch configuration \* Problem troubleshooting and problem-solving This field requires basic knowledge rather than experience; candidates can learn on the job. Network System Engineers handle system upgrades, product evaluation, and improvements, differing from Administrators who focus on daily network Managers oversee computer networks, analyzing faults, managing performance, providing network services, and maintaining quality. All roles mentioned above can lead to this position. Network managers or department heads. Candidates with hardware and networking knowledge can pursue these jobs in start-ups to MNCs. Other available jobs include: \* Router Operator \* Technical Support Executive \* Hardware Executive \* Hardware Consultant \* Storage Specialist \* Back-up Operator \* Network Designer \* Cabling courses make it easy to study remotely. As the network becomes increasingly important, pursuing online courses can help you stay ahead in this digital age. Learning is a must in today's competitive world, especially when it comes to hardware and networking courses which can boost your career. There are various online courses available that provide learners with new concepts and hands-on experience. Some of these courses are even tied to CCNA certifications, making them highly valuable. Taking an online is flexible, taking hardware courses without real-world projects won't help you gain practical skills. Therefore, getting a certification like those mentioned below can be advantageous: Top Hardware and Networking This course provides fundamental knowledge in networking. It's beneficial for individuals who want to start their careers in networking by learning CISCO Networking Fundamentals. Key Topics Covered: - Study of Network Architectures (SDN) - IPv6 Routing knowledge, protocols, and configuration - VPN- DMVPN, Client VPN, Site-to-Site VPN - Understanding Cloud Resources used in Network Infrastructure - Basics of QoS Concept Career Roles: - Network Engineer - Sr. Network Engineer - System Engineer (IT and Computer Networking) - Software Engineer - Technical Support Engineer - Technical Support Engineer - Information Technology Manager The CCNP Security certification program prepares individuals for roles like Cisco network security engineers, who oversee security in routers, switches, and networking devices, as well as deploying and troubleshooting firewalls, VPNs, and IDS/PS solutions. The program covers topics such as threat defense, security components, and consideration, designed for experts who plan, design, implement, and support IM, VoIP, and video solutions over networks. To achieve this certification, candidates must pass two exams, which provide training on collaboration solutions that increase user productivity and improve user experience. Lastly, the CCIE Security configure, and troubleshoot Cisco Network Security Solutions. The program not only covers conceptual knowledge but also emphasizes troubleshooting skills using real-world scenarios, making it one of the most advanced network security certifications. Job Opportunities in Network Engineering are expanding rapidly, with various positions available such as Senior Network engineer, Network Security Engineer, and Network Administrator. A career in networking can be pursued by taking courses in Hardware and Networking systems. The admission process for these courses typically requires a Class 12th qualification. Hardware and Networking Courses offer a range of options at different levels, including Diploma in Computer Networking, and Diploma in Computer Networking, and Diploma in Computer Networking typically takes 1 year to complete and covers topics such as fundamentals of computer hardware, networking essentials, and network operating system administration. Upon completion, students can pursue job roles like Junior Engineer, Design Assistant, or Senior Technical Assistant. The initial salary for a Network Administrator is around Rs. 2-3 lakhs per annum, which can increase with experience and certifications. Some top colleges offering Diploma in Computer Hardware and Networking include S.S. College of Management & Technology. Looking forward to seeing everyone at the meeting tomorrow and discussing our strategies for the next year based on experience.