ROLASOFT PROFESSIONAL COMPUTER & IT COURSES VERSION 2.O LATEST

Certificate in CompTIA A+ Hardware

Become a job-ready CompTIA A+ in 8 weeks!

Benefits of Studying with RolaSoft

☑ **Industry-Relevant Curriculum**

Stay ahead with a syllabus designed by industry experts, focused on real-world applications of CompTIA A+ Hardware.

☑ **Hands-On Training**

Learn by doing — build real-time projects, develop applications, and gain practical coding experience.

☑ **Experienced Instructors**

Gain insights from certified professionals and senior software engineers with years of teaching and industry experience.

☑ **Flexible Learning Modes**

Choose between: **Online**, **Offline (at our center)**, or **Hybrid Classes**

Benefits of Studying with RolaSoft

✅ **Mini & Major Projects**

Work on individual and group projects to strengthen your portfolio and impress future employers.

✅ **Certification Upon Completion**

Earn a **Diploma Certificate** from **RolaSoft Technologies**, recognized by IT recruiters and employers.

✅ **Small Batch Size**

Personalized attention and better interaction in small groups for an enhanced learning experience.

✅ **Affordable Fees & Installment Plans**

Top-tier training at a reasonable cost, with flexible payment options.

✅ **Career-Oriented Skills You'll Gain at RolaSoft Technologies**

RolaSoft ensures you're job-ready with the right tech stack and practical knowledge.

Certificate in CompTIA A+ Hardware Course Details

☑ **Duration**

Eight (8) Weeks

☑ **Schedule**

Weekdays / Weekends

☑ **Learning Modes**

Online, Offline (at our center), or Hybrid Classes

☑ **Start Date**

New batches start every month — enroll now!

☑ **Eligibility**

No prior experience required

Certificate in CompTIA A+ Hardware Course Curriculum

Week 1: Introduction to Computer Hardware & CompTIA A+ Overview

- ☑ Overview of CompTIA A+ certification

- ☑ Understanding computer hardware components

- ☑ Safety procedures & ESD protection

- ☑ Tools for PC maintenance (multimeters, screwdrivers, anti-static tools)

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Week 2: Motherboards, CPUs, and RAM & Storage Devices & Expansion Cards

- ☑ Motherboard types & form factors (ATX, Micro-ATX, Mini-ITX)

- ☑ CPU architecture, cooling, and installation

- ☑ RAM types, speeds, and compatibility (DDR3, DDR4, DDR5)

- ☑ BIOS/UEFI settings & firmware updates

- ☑ Hard drives (HDD, SSD, NVMe, M.2, RAID configurations)

- ☑ Optical drives & removable storage

- ☑ Storage interfaces (SATA, NVMe, PCIe)

- ☑ Graphics cards, sound cards, and network adapters

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Week 3: Power Supplies & PC Assembly & Display Technologies & Peripherals

☑ Power supply ratings (Watts, 80+ efficiency ratings)

☑ Voltage types & power connectors

☑ Choosing the right PSU for a build

☑ Assembling and disassembling a PC

☑ Monitor types (LCD, LED, OLED, IPS, TN)

☑ Projectors & refresh rates

☑ Input devices (keyboards, mice, webcams, game controllers)

☑ Printers (inkjet, laser, 3D printing, maintenance)

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Week 4: Mobile Devices & Laptops & Networking Hardware & Connectivity

- ☑ Laptop hardware components & upgrades

- ☑ Battery technologies & power management

- ☑ Mobile device troubleshooting (smartphones, tablets)

- ☑ Touchscreens & accessories

- ☑ Networking fundamentals (LAN, WAN, MAN, PAN)

- ☑ Network cables & connectors (Ethernet, Fiber, Coaxial)

- ☑ Network interface cards (NICs) & wireless adapters

- ☑ Configuring SOHO (Small Office/Home Office) networks

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Week 5: Virtualization & Cloud Computing

☑ Introduction to virtualization (Hyper-V, VMware)

☑ Cloud computing models (IaaS, PaaS, SaaS)

☑ Thin clients vs. thick clients

☑ Cloud storage solutions & remote access

Week 6: Hardware & PC Maintenance

☑ Preventive maintenance & best practices

☑ System monitoring tools & logs

☑ Hardware troubleshooting tools (POST cards, multimeters)

☑ Diagnosing slow performance & overheating issues

Week 7: Security & Data Protection

- ☑ Physical security & device protection (BIOS passwords, locks)

- ☑ Malware prevention & antivirus software

- ☑ Data destruction & disposal methods

- ☑ BitLocker & drive encryption

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Week 8: Troubleshooting Common Hardware Issues

- ☑ Troubleshooting boot failures & error messages

- ☑ Diagnosing storage and memory issues

- ☑ Identifying and resolving overheating problems

- ☑ Blue Screen of Death (BSOD) troubleshooting

Final Capstone Project (End of 8 Weeks)

Students will complete a project and examination:

✅ Hands-on hardware labs (building a PC, troubleshooting scenarios) (Capstone Project)

Rolasoft Technologies Services

Rolasoft Technologies – Services Offered

☑ **SOFTWARE DEVELOPMENT COMPANY**

(MOBILE APPLICATION, WEB APPLICATION, DESKTOP APPLICATION, CUSTOMIZED APPLICATION, E-COMMERCE WEBSITE)

☑ **PROFESSIONAL COMPUTER AND IT EDUCATION**

(TOP-UP PROGRAMS, DIPLOMA PROGRAMS, CERTIFICATE PROGRAMS, TECH @ SCHOOL, CORPORATE PROGRAMS, SIWES PROGRAMS, CUSTOMIZED PROGRAMS)

☑ **DIGITAL ADVERTISING AND BUSINESS BRANDING**

(SOCIAL MEDIA MARKETING, EMAIL MARKETING, CONTENT MARKETING, WEBSITE SEO, BRANDED CLOTHING, STICKERS AND TAG, CUSTOM BRANDING, AND MANY MORE)

☑ **INTERNATIONAL UNIVERSITY ADMISSION PROCESSING**

(AMERICA, UK, CANADA, EUROPE, AFRICA, AND MANY MORE)

Contact & Registration

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💡 **Enroll Today & Start Your CompTIA Network+ Journey!**

Shape your future with CompTIA Network+.