

Internetwork Engineering

Hands-on Career Training in IT, **Cybersecurity**, **Cloud**, **AI** and **Data Center**

Available On-Campus • Hybrid • Live Online

960 Clock Hours/54 Credits

Prepares students for:

CompTIA® A+, Network+, Security+, Linux Fundamentals

Microsoft® Azure Fundamentals, Microsoft® Azure AI Fundamentals and Microsoft® Azure Administrator

Plus

Cybersecurity Analyst (CySA+)*, Splunk® Fundamentals*, Wireshark® Fundamentals*

Build a High-Level Career in Technology

Technology industries continue to evolve rapidly with the growth of cloud computing, artificial intelligence, digital security, and data centers. The Internetwork Engineering program is designed to prepare career changers and aspiring technology professionals for today's workforce through hands-on, job-focused training, building a strong foundation for long-term career growth.

Connect, protect, and support the digital world: • Windows & PC Support • Networking & Infrastructure • Cybersecurity Fundamentals • Cloud Computing & Microsoft Azure • AI & Cloud-Based AI Technologies • Cabling and Server Technology	Graduates may qualify for positions such as: • IT Support Specialist • Help Desk Technician • Desktop Support Technician • Junior Network Administrator • Cloud Support Specialist • Cybersecurity Analyst • Data Center Technician
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A STRONG FOUNDATION

At PC AGE, every student begins with the same strong technology foundation in networking, security, cloud, AI and troubleshooting (including **preparation for CompTIA A+, Network+, Security+, MS Server, Azure Cloud, and Azure AI Fundamentals**). After building that foundation, students specialize in the career path that best matches their interests and career goals.

Specialization 1 - Cybersecurity

Our curriculum empowers you to provision, manage, protect, and maintain modern network infrastructures, cloud systems, and AI-driven technologies. Within this specialization, you will master essential security operations, including defense analytics, threat monitoring, and advanced visibility utilizing **Cybersecurity Analyst (CySA+)**, **Splunk**, and **Wireshark**. If you enjoy solving technical problems and prefer working with computers in an office, data center, or remote environment, this pathway is likely the best fit.

Specialization 2 - Data Center Technician

You'll develop hands-on infrastructure skills working with enterprise hardware, servers, power systems, and cabling. Your specialization will focus on hands-on **Rack & Stack, Fiber Optics & Cabling, Dell/HPE hardware diagnostics, A/B power systems**, and remote **iDRAC/iLO** management. If you enjoy hands-on technical work and working directly with server hardware and data center infrastructure, this pathway is likely the best fit.

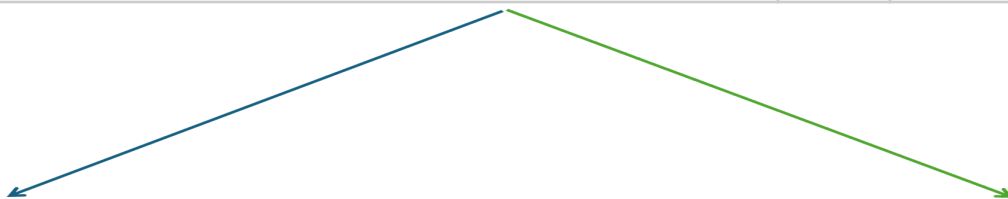
Why PC AGE?

We are a professional career training institute designed for career changers and motivated high school graduates who want to build a long-term career in technology. Real tech professionals need a strong foundation that takes time, structure, hands-on practice, discipline, and mentorship. Our program offers that foundation. Our graduates are prepared not only for their first tech job, but for long-term career growth.

The program incorporates **Job Placement** assistance including resume building, job searching strategies and preparation for technical interviews. The Technical Career Preparation Workshop includes **Life Skills** training such as goal setting, self-improvement and practical time and money management, all vital for success in the modern world.

Program Outline

Code	Foundational Courses	Hours	Credits	Prepares for
IE100	Introduction to Computers and Internet Fundamentals	120	6	
IE110	Computer Hardware Installation and Troubleshooting	96	6	
IE115A	Networking Fundamentals I	72	4	
IE115B	Networking Fundamentals II	72	4	
IE115C	Networking Fundamentals III	72	4	
UN100	Linux System Administration I	72	4	
IE180	Implementing & Managing Security in a Microsoft Windows Network I	72	4	
IE180C	Implementing & Managing Security in a Microsoft Windows Network II	72	4	
IE122	Supporting Microsoft Windows Server OS	72	4	
IE140	Planning and Maintaining Windows Cloud Infrastructure	72	4	
IE160	Provisioning and Maintaining a Cloud AI Infrastructure	72	4	
IE170	Technical Career Preparation Workshop	30	2	Career Workshop and Final Project
IE200	Designing, Implementing & Troubleshooting Project	21	1	
IE210	Cloud Computing Administration	45	3	
	Core IT Infrastructure Courses Total Hours	960	54	
	Choose a Specialization			



Cybersecurity Specialization

Code	Major Courses	Hours	Credits	Prepares for
IE230	Implementing Advanced Network Security	72	4	
	Cybersecurity Track Total Hours	72	4	

Data Center Technician Specialization

Code	Major Courses	Hours	Credits
IE250	Data Center Infrastructure and Operations	72	4
	Data Center Technician Total Hours	72	4

Internetwork Engineering Total Program Hours

960 Hours / 54 Credits

Note: Taking any industry certification exam is optional. The school does not award any industry certification. Certification is not a precondition of employment nor required to perform employable functions represented in PC AGE's programs.

Consumer Disclosures at PCAGE.edu/disclosures

Learn from the Experts

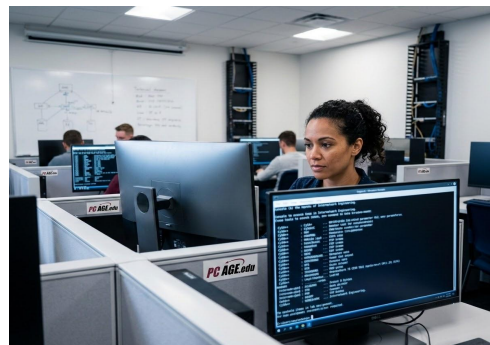
Advisory Committee

Khalid Zia; M.S. Computer and Information Systems; Director, Network Management

Dr. Ajaz Rana; Ph.D. Computer and Information Systems; IT Principal

Sahir Sarwar; M.S. Computer and Information Systems; Sr. Systems Engineer

Kavita Joshi; M.S. Computer and Information Systems; Lead Systems Analyst



Student Mentors

Connect with a Mentor - it could change your life

Bilal Zuberi; M.S. Computer Science, CISSP, CCSP, MCSE, CEH, Security+, Azure Solutions Architect Expert; AVP, Security Architect

Luis Galvez; PC AGE Graduate, A+, MCSE, MCTS, CCNA, Citrix, C++; Help Desk Manager/Senior Systems Administrator.

Faculty

Zafar Khizer, Founder, CEO and CAO: MS Computer Science, MS Electronics, Enterprise Certified Novell Engineer (ECNE), Master Certified Novell Engineer (MCNE), Microsoft Certified Systems Engineer (MCSE).

Humberto Hilario, Director of Education: M.S. Information Technology Management [Western Governors University], Certified Information Systems Security Professional (CISSP), Certified Ethical Hacker (CEH), Cisco Certified Network Associate (CCNA): Routing & Switching/Security, Certified Design Associate (CCDA), Microsoft Certified Trainer (MCT), Microsoft Certified Solutions Associate (MCSA): Server 2012/2008, VMware Certified Professional (VCP6-DCV), CompTIA A+ Certified, Network + Certified, Security+ Certified, Linux+ Certified, Cybersecurity Analyst (CySA+), CompTIA Advanced Security Practitioner (CASP) Certified.

Andrew Peruzzi: A.S. Computer Science [Sussex County Community College], Certified Ethical Hacker (CEH), Certified Network Associate (CCNA): Routing & Switching, VMware Certified Professional (VCP6-DCV), Microsoft Certified Educator (MCE), Microsoft Certified Solutions Associate (MCSA): Server 2012/2016/Windows 10, CompTIA A+ Certified, Network+ Certified, Linux+ Certified, Security+ Certified, CompTIA Advanced Security Practitioner (CASP) Certified.

Carlos Bayron: A.S. Applied Science [Hudson County Community College], RHCE - Red Hat Certified Engineer RHEL 4, MCSA - Microsoft Certified Systems Administrator Windows 2000, CompTIA A+ Certified, CompTIA Network+ Certified.

Dennis Lovatt: CompTIA A+ Certified, CompTIA Network+ Certified, CompTIA Security+ Certified, CompTIA Linux+ Certified.

Humberto A. Hilario: CompTIA A+ Certified, CompTIA Network+ Certified, CompTIA Security+ Certified, CompTIA Linux+ Certified, CompTIA Cybersecurity Analyst (CySA+) Certified, Microsoft Azure Fundamentals Certified, VMware Certified Associate (VCA6-DCV) Certified.

Mohamed Ismail: B.S. Business Marketing [Blida University], CompTIA A+ Certified, Network + Certified, Security+ Certified, Cisco Certified Network Associate (CCNA): Routing & Switching, Microsoft Azure Fundamentals Certified.

Shawn Lawton: B.S. Cybersecurity and Information Assurance [Western Governors University], Certified Information Systems Security Professional (CISSP), Systems Security Certified Practitioner (SSCP), Cisco Certified Network Associate (CCNA): Routing & Switching, CompTIA A+ Certified, CompTIA Healthcare IT Certified, Network + Certified, Security+ Certified, Linux+ Certified, Cybersecurity Analyst (CySA+), CompTIA Pentest+ Certified, CompTIA Project+ Certified, LPI Linux Essentials Certified, T Information Library Foundations Certification (ITIL), Proofpoint Certified Email Authentication Specialist 2025, Proofpoint Certified AI Email Security Specialist 2025, OneTrust Tech Risk & Compliance Track Badge, Enterprise Wireless Solutions Certified Network Associate, Foundations of Leadership Certificate, XM Cyber- Exposure Management Expert.

Instructional Support Staff – All Campuses

Alizeh Jafri: M.S. Cybersecurity Engineering [Middlesex University], CompTIA A+ Certified, CompTIA Network+ Certified, CompTIA Security+ Certified, Certified, Cybersecurity Analyst (CySA+).

Akaparna Debnath: CompTIA A+ Certified, CompTIA Network+ Certified, CompTIA Security+ Certified, Certified, Cybersecurity Analyst (CySA+) Certified, AWS Solutions Architect, Microsoft Azure Fundamentals Certified, Microsoft Azure AI Fundamentals Certified.

PC AGE grads continue to get the jobs and salaries they need for the life they envision.



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