

Financial Implications

EduSkil	ls Annual Membership Fee - INR 40,000* + GST	(Every Year)
Academy	Courses	Training of Trainers (ToT) fee
Networking CISCO Academy	Introduction to IoT Introduction to Cybersecurity Cybersecurity Essentials NDG Linux Unhatched NDG Linux Essentials CLA: Programming Essentials in C CPA: Programming Essentials in C++ CPP: Advanced Programming in C++ PCAP: Programming Essentials In Python Mobility Fundamentals Get Connected Entrepreneurship IoT Fundamental Course: Connecting Things Big Data & Analytics IoT Security	Not Applicable
	Cisco Certified Network Associate (CCNA)	30,000/- + GST
	Cisco Certified DevNet Associate (DEVNET)	15,000/- + GST
	Cisco Certified CyberOps Associate (CyberOps)	15,000/- + GST
	CCNP Enterprise: Core Networking (ENCOR)	15,000/- + GST
	CCNP Enterprise: Advanced Routing (ENARSI)	15,000/- + GST
	AWS Certified Cloud Foundation/Practitioner	15,000/- + GST (Including Global Certification)
aws academy	AWS Certified Solutions Architect Associate	18,000/- + GST (Including Global Certification)
The state of the s	AWS Certified Developer Associate	18,000/- + GST (Including Global Certification)
	AWS Certified SysOps Administrator Associate	18,000/- + GST (Including Global Certification)
RED HAT ACADEMY	Red Hat Certified System Administrator (RHCSA)	15,000/- + GST (Including Global Certification)
	Red Hat Certified Engineer (RHCE): Linux Automation with Ansible	15,000/- + GST (Including Global Certification)
	Red Hat Certified Enterprise Application Developer (RHCEAD): Programming in Java EE	15,000/- + GST (Including Global Certification)
	Red Hat Certified Enterprise Microservices Developer	15,000/- + GST
4650	(RHCEMD): Implementing Microservice Architectures Paloalto Certified Cybersecurity Associate (PCCSA)	(Including Global Certification)
// paloalto	Cybersecurity Foundation Cybersecurity Gateway Cybersecurity Essentials	15,000/- + GST
Cybersecurity Academy	Paloalto Certified Network Security Administrator (PCNSA) Cybersecurity Infrastructure Configuration Cybersecurity Prevention and Countermeasures	15,000/- + GST
	Secure Business Systems: Administration	10,000/- + GST
	Secure Business Systems: Operations	10,000/- + GST
	Secure Business Systems: Management	10,000/- + GST
	Blue Prism Academy Foundation	10,000/- + GST
blueprism University Academia Program	Blue Prism Certified Developer	15,000/- + GST (Including Global Certification)
	Blue Prism Certified Robotic Operation Model (ROM) Architect	15,000/- + GST (Including Global Certification)
The state of the s	PCB Design	
MICROCHIP Academic Program	LTspice Programming VHDL Programming	Not Applicable
	LTspice Programming	Not Applicable

- Benefits:

 1. Individual agreement with all Global Corporates.

 2. Use Cisco, Amazon, Red Hat, Microchip, Blue Prism etc. academy logo for branding and promotion.
- 3. Online content, Lifetime students ID, Course completion certificates and Discounted vouchers for Global Certifications.

 4. Golden opportunity to be hired by Cisco, AWS & Blue Prism and its channel partners.
- 5. Students will get opportunity to participate in Hackathon, Learnathon, Codathon, Ideathon, etc...
 6. Faculties will get Master Trainer ID and Certificate.
- 7. EduSkills Membership Certificate.

Please Note:

This fee applies on institutions and EduSkills will not charge any fee from the students as these programs comes under purview of . CSR. Institutions may enrol and extend benefit to as many students they want. No capping on number of students.

IIIII Networking CISCO Academy

About Cisco

Cisco Systems, Inc. is an American multinational technology conglomerate headquartered in San Jose, California, in the center of Silicon Valley. It was founded in 1984 in San Fransico. Its curent revenue is more than \$49 Billion and has approx \$108 Billion assets across the world. Cisco develops, manufactures and sells networking hardware, telecommunications equipment and other high-technology services and products. Through its numerous acquired subsidiaries, such as OpenDNS, WebEx, Jabber and Jasper, Cisco specializes into specific tech markets, such as Internet of Things (IoT), domain security and energy management. Cisco had a more than \$500 billion market capitalization. Cisco has an employee base of 74,200 across the globe.

Cisco Networking Academy:

Cisco Networking Academy delivers a comprehensive, 21st century learning experience to help students develop the foundational ICT skills needed to design, build, and manage networks, along with career skills such as problem solving, collaboration, and critical thinking. Students complete hands-on learning activities and network simulations to develop practical skills that will help them fill a growing need for networking professionals around the world.

Networking Academy uses a public-private partnership model to create the "world's largest classroom". Cisco partners with educational institutions, non-profits and nongovernmental organizations, governments, and community centres that provide classroom space, computer lab equipment, and qualified instructors. Cisco provides online curricula, teacher training, and professional development for instructors.

Networking Academy helps students prepare to assume entry-level ICT jobs, pursue additional training or education, and earn globally recognized certification so they can maintain networks that form the backbone of today's and tomorrow's global economy. It supports instructors by providing educational resources, learning management tools, professional development opportunities, and events that support learning and collaboration.

Cisco's Networking Academy is an internationally-recognized IT skills and career-building program that's available free to learning institutions. The program has thrived for more than 20 years and has reached 2.15 million students in 180 countries across the globe. Cisco Networking Academy partners with colleges, universities, vocational schools, public sector and nonprofits across the country, and ensures opportunities are evenly dispersed based on age, gender and economic diversity—plus, en to those with disabilities.

CISCO Academy

Cisco Networking Academy around the world



Join the program and get free access to:

- High-quality international curriculum that combines in-depth technical training with problem-solving and entrepreneurial skills students need to get a job or create their own businesses
- Courses that can be combined to create pathways that complement existing academic or vocational programs and prepare students for certification
- The Learning Platform that helps instructors manage classes, track student success, deliver online assessments, and connect with other educators and IT experts online
- Cisco Packet Tracer for online network simulations that assist learning by creating and managing many kinds of networks
- Software labs and new emerging technologies via remote lab environments
- Career advice, employment connections, and skills competitions for your students
- Support and instructor professional development throughout the year
- Discounts for class-related lab equipment
- Access to training partners who provide more in-depth preparation as needed

Get chance to be hired by the Cisco and its Channel Partners:

 Talent Bridge empowers Cisco and our Cisco Channel Partners to identify top talent from Networking Academy's education partners that can fill crucial networking and security jobs.

CISCO Academy

- **Top talent:** Networking Academy students learn networking and security skills as well as entrepreneurial, decision making and other soft skills. Making them better prepared to enter the workforce.
- Global community: Gain access to a pipeline of current and former IT, networking and security students through our global network of over 12,100 education partners who represent more than one million students each year around the world.
- **Direct Connection:** Employment partners gain access to the Talent Bridge Matching Engine, our LinkedIn community and participate in Virtual Job Connection events allowing them to post jobs and interact with candidates directly.

What kinds of institutions are eligible for the Cisco Networking Academy program?

Any Non-profit higher education Govt. /Pvt. institutes which qualifies the pre-requisites such as qualified instructors, classroom space, good internet connectivity and lab facilities are eligible to apply to become an official 'Cisco Networking Academy'.

Currently, there are more than 1000+ Engineering colleges, Polytechnic colleges and ITIs in India are leveraging the benefits of this program in strategic partnership with many state and Govt of India departments.

What are the requirements for becoming an academy?

To offer these courses as face-to-face, an academy will need:

- A dedicated classroom of at least 550 square feet or 50 square meters
- Student computers for access to the curriculum
- Persistent Internet access of at least 512Kbps
- Student computers for access to curriculum
- An instructor available for training and qualification through an Instructor Training Center
- An affiliation with an Academy Support Center (ASC)

Benefits to Educational Institutes:

- Offer a high quality <u>curriculum</u> that combines in-depth technical training and professional skills development.
- Choose <u>courses</u> to compliment academic or vocational program and prepare students for <u>certification</u>.
- Leverage Cisco <u>learning platform</u> to track student success and connect with educators and IT experts.
- Access <u>support and training</u> to get program up and running, and share best practices.
- Use Cisco Academy Logo, for branding promotion

IIIII Networking CISCO Academy

Benefits to Students:

Cisco Networking Academy prepares student for a rewarding career in a connected world. Students gain ICT knowledge and practical experience through the Networking Academy program.

• <u>Courses</u>: Study the latest networking, security, and cloud technologies and practice what student learn in hands-on labs and using simulation tool.

 <u>Certification</u>: Prepare for a professional certification, recognised by employers worldwide and help to fill an estimated eight million networking jobs around the world.

• <u>Career Pathways</u>: Connect to a global community of employers and alumni to find a job.

• <u>Talent Bridge</u>: Empowers Cisco and our Cisco Channel Partners to identify top talent from Networking Academy's education partners. **Golden opportunity to be hired by Cisco and its channel partners**.

 As a Networking Academy student, students gain access to innovative learning tools, a global support community, and resources to help them to launch their career.

10 Reasons why companies Hire Networking Academy Students:

- 1. **Technically proficient:** Networking Academy courses provide in-depth technology training in the latest networking, security, and cloud technologies to prepare students for professional careers and globally recognized industry certifications.
- 2. **Problem solvers:** The Networking Academy curriculum inspires students to solve real-world problems, not just memorize solutions. They test "what-ifs" on real equipment and using Cisco Packet Tracer, an award-winning network simulation tool.
- 3. **Team players:** Students practice what they learn in hands-on labs, equipped with the latest technologies, so they are ready to work on day one.
- 4. **Experienced:** Students practice what they learn in hands-on labs, equipped with the latest technologies, so they are ready to work on day one.
- 5. **Effective communicators:** Students develop practical work place skills such as how to deliver a presentation to non-technical managers, document their work, and communicate with team members.
- 6. **Active learners:** Alumni maintain online access to all of their learning resources. Content stays up-to-date with labs and lessons created and maintained by a global network of subject matter experts.
- 7. **Up-to-date:** Alumni maintain online access to all of their learning resources. Content stays up-to-date with labs and lessons created and maintained by a global network of subject matter experts.
- 8. **Consistently qualified:** Curriculum is delivered via an online learning platform in multiple languages with certified instructors to ensure the same level of high-quality instruction, everywhere.

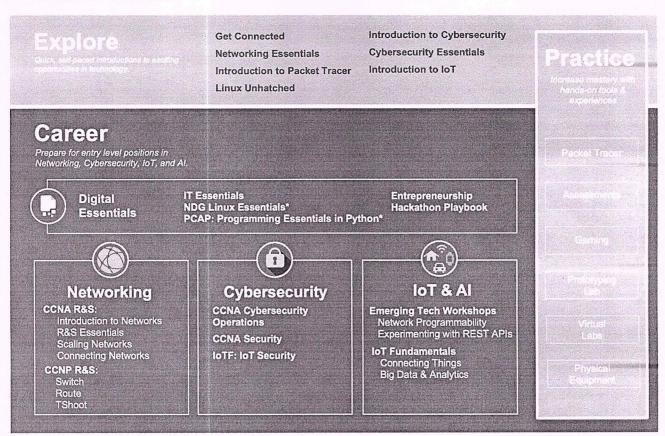
IIIII Networking CISCO Academy

- 9. **Innovators:** Students want to make a difference. They choose the Networking Academy to gain practical technology skills they can apply to a range of problems and challenges across industries and disciplines.
- 10. **Excited to work:** Students share a passion for technology and aspire to rewarding careers in a connected world. They seek to begin their career journey with employers like you.

For more detail please go through the below links:

About Cisco Networking Academy
Cisco Course Catalogue Brochure

Courses offered:



*Additional offerings in Linux and Programming are available from our partners.

Networking Academy courses are offered through a blended learning model that combines classroom instruction with online curricula, interactive tools, hands-on activities, and online assessments that provide immediate feedback.





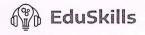
AWS Academy Program

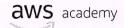
Welcome

Introduction

AWS Academy is a global program that provides educational institutions and educational non-profits (collectively, "institutions") with access to an AWS-developed and authorized curriculum so they can more easily offer cloud computing courses to their students. By participating in AWS Academy, institutions can help students become proficient and certified on the use of Amazon Web Services (AWS) technology.

Application to AWS Academy is open to institutions that are accredited or have received official validation from a government or established educational authority as determined by AWS. To be considered for membership in AWS Academy, your institution must also meet the requirements of the program and be approved by AWS.





AWS Academy Curriculum

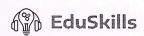
AWS Academy courses are developed and maintained by AWS. Each learning path within the AWS Academy curriculum addresses different subject areas. AWS Academy courses are packaged in a modular format that may be delivered to students as synchronous or asynchronous learning in either an educator-led or virtual classroom environment.

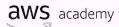
Each learning path is designed to prepare students for an AWS certification. Students are provided with access to free certification practice exams and discounted certification exams that are aligned to the course. AWS Academy courses must be delivered by accredited educators who have completed the AWS educator accreditation requirements for each course they teach.

Requirements for Delivery

Institutions and AWS Academy accredited educators must:

- Comply with the AWS Academy Terms & Conditions and all requirements described in the AWS Academy Program Guide;
- Be approved by AWS for each AWS Academy authorized course they intend to deliver to students;
- Deliver AWS Academy authorized courses only to students enrolled at the institution;
- Deliver AWS Academy authorized courses in its entirety (for time or other considerations, a course may be truncated into segments, as long as all segments are delivered);
- Deliver AWS Academy authorized courses over a minimum period of weeks specified in the course outline;
- Keep AWS authorized courses updated with most recent version of the provided courseware;
- Deliver AWS Academy courses to students as synchronous (i.e. real time) or asynchronous learning in either an educator-led or virtual classroom environment;
- Meet the following requirements when delivering AWS Academy courses asynchronously:
 - Institutions are permitted to integrate the AWS Academy courseware into their Learning Management System (LMS). All guidelines for content usage as defined in the Ts&Cs must be strictly adhered to.
 - o Students need to register for an AWS Training and Certification account and educators will be provided with a link to the course. All procedures for class creation as used for on-the-ground (synchronous) classes need to be followed.





AWS Academy Membership

As an AWS Academy member, your institution has access to AWS Academy authorized courses that can be delivered to students by AWS Academy accredited educators.

Benefits for Member Institutions

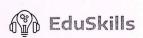
AWS Academy members receive a number of benefits that are solely for use by institutions, educators and students participating in AWS Academy, including:

- Access to complete AWS-developed and authorized courses;
- Course updates that reflect new AWS releases and best practices;
- Listing in the AWS Academy directory of participating institutions on the AWS Academy website upon acception;
- Access to AWS Academy logos and branding and must be in adherenace with the PR guidelines;
- Access to free practice exams and discounted certification exams for AWS Academy accredited educators and AWS Academy students within their institution;
- Invitation to AWS Academy events, such as AWS Academy conferences and webinars. Your regional AWS Academy Program Manager will notify you when opportunities to participate are available.

Requirements for Institutions

To participate in AWS Academy, institutions must:

- Agree to the AWS Academy Terms & Conditions and all requirements described in the AWS Academy Program Guide;
- Use AWS Academy logos and branding as per the below Marketing Guidelines;
- Administer and deliver AWS Academy authorized courses only from AWS-approved countries (Please review the AWS Academy website for list of approved countries).
- Appoint an institutional Central Point of Contact (CPOC) responsible for overseeing all AWS
 Academy program requirements and activities within the educational institution and the
 institution's communications with AWS. This includes ensuring that educators are updated with
 relevant program updates that AWS provides to the CPOC;
- Receive written AWS approval for each AWS Academy authorized course you intend to deliver;
- Have one AWS-accredited educator for each AWS Academy course that you deliver;
- Agree not to provide third-party organizations with access to AWS Academy courses or other Program components. For example, you may not use Program benefits to provide fee-for-service training to any individual, institution, or entity not currently enrolled in AWS Academy classes at your institution as a bona fide student;
- Ensure at least 75% of students in each class complete a course evaluation. The evaluation, provided by AWS through a survey software platform, will help assess student satisfaction with AWS Academy content and delivery.
- Ensure that students who access AWS Academy content create an AWS Training & Certification account, as set forth in the Student Guide.



aws academy

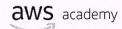
AWS Academy Membership

AWS will review each member institution annually to determine whether it continues to meet program compliance requirements. AWS reserves the right to terminate the membership of AWS Academy institutions that do not meet the requirements set forth in the AWS Academy Terms & Conditions and Program Guide.

Upon termination of an institution's participation in AWS Academy as set forth in the AWS Academy Terms & Conditions, the institution must cease all activity related to participation in AWS Academy, including:

- Identifying the institution as a participant in AWS Academy;
- Removing the AWS Academy logo from all the institution's websites and marketing materials;
- Discontinuing all uses of AWS Academy program benefits.





AWS Academy Educators

To deliver AWS Academy authorized courses, you must become an AWS Academy accredited educator and possess advanced AWS technical knowledge.

Benefits for Educators

AWS Academy accredited educators receive the following program benefits:

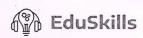
- Access to complete AWS-developed and authorized courses;
- Course updates that reflect new AWS releases and best practices;
- Complimentary seats in AWS-delivered courses relevant to AWS Academy authorized courses they are preparing to teach;
- Access to the AWS Academy Accredited Educator logo;
- Access to free certification practice exams and discounted certification exams;
- Invitation to AWS Academy conferences, webinars, and other events;
- Technical support.

Requirements for Educators

AWS Academy educators must:

- Comply with the AWS Academy Terms & Conditions and all requirements described in the AWS Academy Program Guide;
- Use AWS Academy logos and branding as per the below Marketing Guidelines;
- Be nominated by an approved AWS Academy member institution to become an AWS Academy accredited educator for the institution;
- Deliver AWS Academy authorized courses only from AWS-approved institution's and country locations;
- Deliver only the AWS Academy authorized courses that AWS has approved and accredited;
- Deliver a minimum of one complete AWS Academy authorized course each academic year;
- Stay current on AWS services and the AWS Academy authorized courses that an educator is accredited to deliver;
- For AWS Academy authorized courses where the AWS Academy educator accreditation process requires AWS Certification, AWS Academy accredited educators must meet recertification requirements as described at https://aws.amazon.com/certification/recertification;
- Provide a current AWS Academy member institution email address to accept all AWS Academyrelated communications from AWS;
- Consistently deliver a high-quality learning experience for AWS Academy students;
- Ensure that at least 75% of students in each class complete an AWS Academy course evaluation form.

AWS maintains the right to terminate educators that fail to comply with program requirements.



aws academy

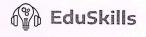
AWS Academy Educators

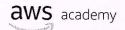
How to Apply to Become an AWS Academy Accredited Educator

To become an AWS Academy Accredited Educator, you must be nominated by an institution accepted to AWS Academy. All nominations are reviewed by AWS to determine whether AWS Academy Accredited Educator candidates meet program requirements.

Program Educator Candidates who successfully complete the educator accreditation requirements for an AWS Academy course become accredited to teach the course at sponsoring member institutions. AWS will confirm approval of your status as an AWS Academy Accredited Educator in writing to both you and the AWS Academy CPOC at the sponsoring member institution.

If you do not successfully complete the above steps, AWS will provide you with feedback on any areas that need correction or improvement, as well as any steps that may be taken to continue the approval process.





AWS Academy Marketing Guidelines

Logos

Program logo

The AWS Academy logo may be used in digital or print media:

- To promote the program and associated courses
- To promote an institution's or educator's participation in the program.



Accredited Educator logo

This logo is for use by AWS Academy Accredited Educator. The AWS Academy Accredited Educator logo can be used:

- In a digital or print educator profile (e.g., faculty bio; LinkedIn);
- In conjunction with promotion of the program and associated course(s) being taught by the educator.

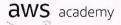


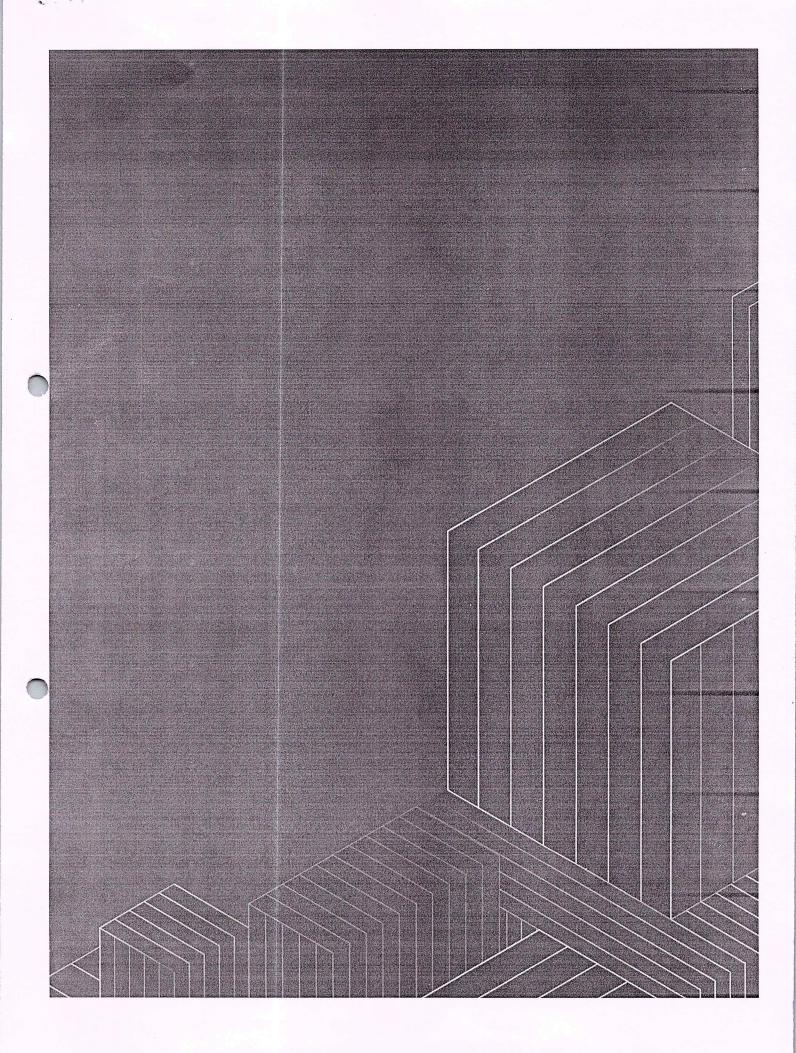
Program Name and Titles

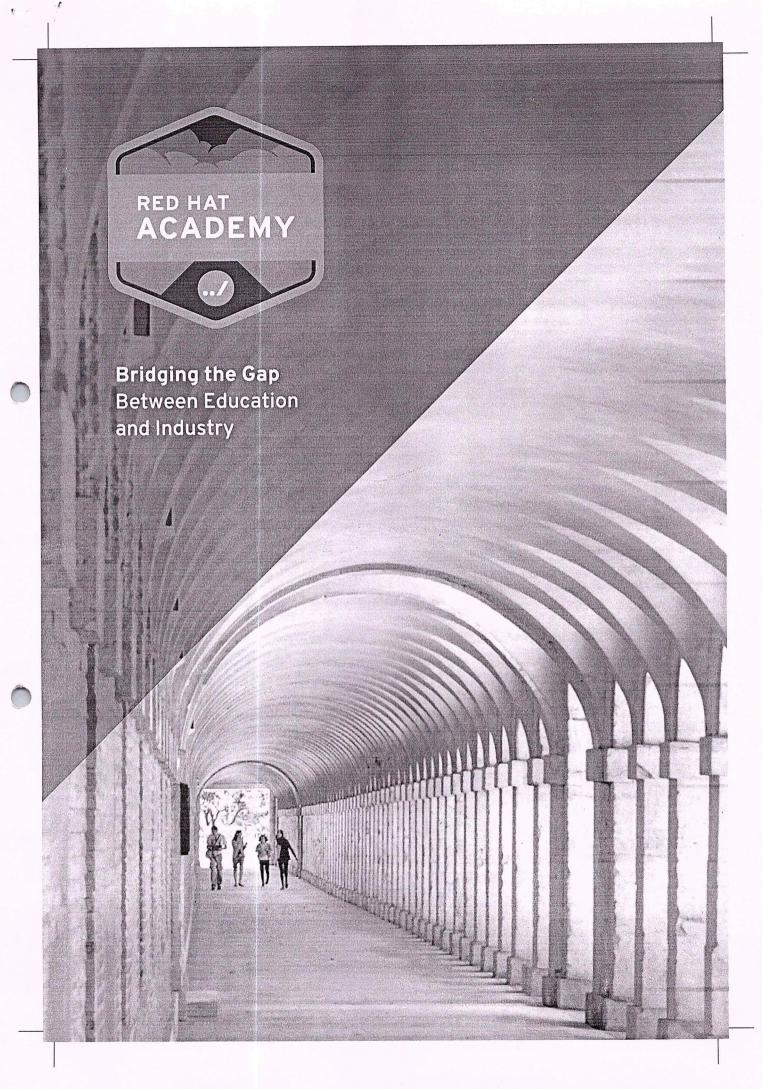
Use the approved names and titles below in all marketing and promotions.

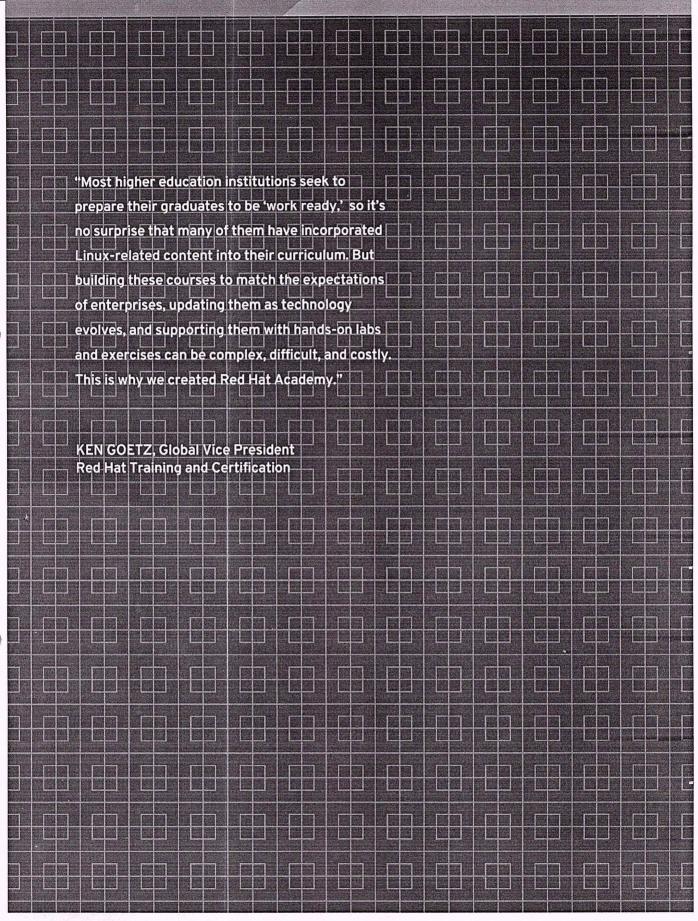
Item	Approved	Do not use
Program Name	AWS Academy	Academy
Accredited Educator	AWS Academy Accredited Educator	AWS Accredited Educator AWS Accredited Instructor AWS Academy Educator AWS Academy Instructor AWS Authorized Educator AWS Authorized Instructor
Courses	AWS Academy Cloud Architecting AWS Academy Cloud Foundations AWS Academy Cloud Developing AWS Academy Cloud Operations	AWS Cloud Computing Architecting AWS Cloud Architecture AWS Cloud Foundations AWS Cloud Developing AWS Cloud Operationsor any variation thereof











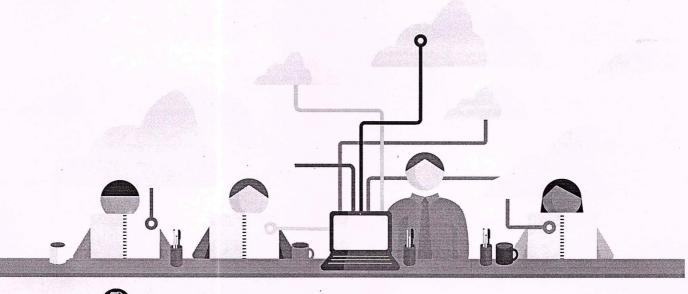
INDEX

Course Code	Title	Duration (in hours)	Page #
	Educating the next generation of I.T. Technologists		4
	Trained, Tested, and Trusted		5
	Program Features		6
	Curriculum and Certification		7
RH124	Red Hat System Administration I	40 hrs	8
RH134	Red Hat System Administration II	32 hrs	8
RH254	Red Hat System Administration III	32 hrs	8
JB183	Red Hat Application Development I: Programming in Java EE	32 hrs	9
JB283	Red Hat App. Dev. II: Implementing Microservice Architectures	32 hrs	9
CL110	Red Hat OpenStack® Administration I	40 hrs	10
DO180	Introduction to Containers, Kubernetes & Red Hat® OpenShift	24 hrs	10

EDUCATING THE NEXT GENERATION OF I.T. TECHNOLOGISTS

Red Hat® Academy provides a curriculum to help education institutions keep pace with the demands of industry. The curriculum involves hands-on instruction across platform, middleware, and cloud technologies built with input from Red Hat development, support, and field consulting teams. Unlike a generic "distribution agnostic" Linux curriculum, Red Hat's curriculum is based on Red Hat Enterprise Linux, the leading enterprise Linux platform. Rather than learning theoretical skills, students learn practical skills based on use cases from thousands of enterprise implementations.

At Red Hat, we believe that closing the technology skills gap is vitally important to the future of enterprise software—and the opportunity to do so should be available to all. That's why we've made Red Hat Academy accessible to as many qualified academic institutions as possible. Eligibility is for nonprofit institutions or those that grant degrees, certificates, or diplomas.



TRAINED, TESTED, AND TRUSTED

We know that finding IT professionals who know your technologies and have the right skills can be challenging. The Red Hat Academy curriculum is best-in-class training that offers a diverse curriculum for system administrators and developers.





More than 90% of Fortune Global 500 companies rely on Red Hat. 1





96% of Red Hat students say they are better prepared to maximize the value of their Red Hat technology investment. ²





83% of Linux job postings seek Red Hat Certified Professionals.³

"The Red Hat Academy gives me an opportunity to share my love and passion for Linux with my students and allow them to earn a rigorous certification for industry-leading jobs."

Jeremy Hoffman, Engineer, Community College of Baltimore City

^{1.} Red Hat client data and Fortune Global 500 list, 2017

^{2. 2015} Red Hat student global course evaluation survey

^{3. 2015} Red Hat certification survey

PROGRAM FEATURES

The Red Hat Academy program partners with academic institutions to offer top-quality education programs on Red Hat technologies to help students reach their academic and career potential.



No-cost membership to qualifying universities, with easy online program enrollment.



Industry-leading curriculum that includes Linux, cloud, and middleware to help students acquire cutting-edge, job-relevant IT skills.



Discounted Red Hat exams for instructors and students.



Multiple student courseware formats that include e-book, printed, or HTML.



Flexible lab options to help academies accommodate their students.



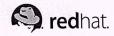
Instructor training through no-cost Red Hat Video Classroom Courses.



Globally standardized materials available through the new web-based Academy portal and order process.



Global availability of content in up to 9 languages.



CURRICULUM AND CERTIFICATION

Red Hat Academy offers a range of curriculum and certification offerings.

CORE SYSTEM ADMINISTRATION

Learn to deploy, administer, manage and secure Red Hat Enterprise Linux.

- Red Hat System Administration I RH124
- Red Hat System Administration II RH134
- Red Hat System Administration III RH254

MIDDLEWARE DEVELOPMENT

Master middleware applications.

- Red Hat Application Development I: Programming in Java EE JB183
- Red Hat Application Development: Implementing Microservices Architectures JB283

CLOUD COMPUTING

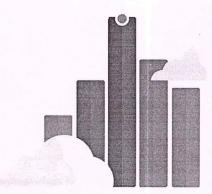
Support organizational movement to the cloud.

- Red Hat OpenStack Administration I CL110
- Introduction to Containers, Kubernetes, and Red Hat OpenShift D0180

RED HAT CERTIFICATION

50% discount for students 75% discount for instructors Certifications available through Red Hat Academy.

- Red Hat Certified System Administrator (RHCSA) EX200
- Red Hat Certified Engineer (RHCE) EX300
- Red Hat Certified Enterprise Application Developer (RHCEAD) EX183
- Red Hat Certified Enterprise Microservices Developer (RHCEMD) EX283



Red Hat Linux system administrator salaries are 10% higher than other Linux system administrator salaries.⁴

4 Comparison based on information from simplyhired.com/salaries-k-redhat-linux-system-administrator-jobs.html and simplyhired.com/salaries-k-linux-system-administrators-jobs.html as of January 5, 2016.

RH124 - Red Hat System Administration I

Duration: 40 hrs

Part 1 of the core system administration tasks needed for Red Hat Enterprise Linux.

This course relates to Red Hat® Enterprise Linux® 7. Red Hat System Administration I (RH124) is designed for IT professionals without previous Linux administration experience. The course focuses on providing students with Linux administration "survival skills" by focusing on core administration tasks.

Red Hat System Administration I provides a foundation for students wishing to become full-time Linux system administrators by introducing key command line concepts and other enterprise-level tools. These concepts are further developed in the follow-on course, Red Hat System Administration II (RH134).

Course contents:

- · Access the command line
- · Manage files from the command line
- · Get help in Red Hat Enterprise Linux
- · Create, view, and edit text files
- · Manage local Linux users and groups
- Control access to files with Linux file system permissions
- · Monitor and manage Linux processes
- · Control services and daemons

- · Configure and secure OpenSSH service
- · Analyze and store logs
- · Manage Red Hat Enterprise Linux networking
- · Archive and copy files between systems
- Install and update software packages
- · Access Linux file systems
- · Use virtualized systems
- · Comprehensive review

RH134 - Red Hat System Administration II

Duration: 32 hrs

Part 2 of the core system administration tasks needed for Red Hat Enterprise Linux.

This course is specifically designed for students who have completed Red Hat® System Administration I (RH124). Red Hat System Administration II (RH134) focuses on the key tasks needed to become a full time Linux® administrator.

This course goes deeper into enterprise Linux administration including file systems and partitioning, logical volumes, SELinux, firewalling, and troubleshooting. Attending both Red Hat System Administration I and Red Hat System Administrator exam (EX200).

Course contents:

- Automate installation with Kickstart
- Use regular expressions with grep
- Create and Edit text files with vim
- Schedule future Linux tasks
- · Manage priority of Linux processes
- Control access to files with access control lists (ACL) Manage SELinux security
- Connect to network-defined users and groups
- Add disks, partitions, and file systems to a Linux system
- Manage logical volume management (LVM) storage
- Access networked attached storage with network file system (NFS)
- · Access networked storage with SMB
- Control and troubleshoot the Red Hat Enterprise Linux boot process
- · Limit network communication with firewall
- · Comprehensive review

RH254 - Red Hat System Administration III

Duration: 32 hrs

Broaden your ability to administer Linux systems and prepare for your Red Hat Certified Engineer (RHCE) exam. The course is focused on deploying and managing network servers running caching Domain Name Service (DNS), MariaDB, Apache HTTPD, Postfix SMTP nullclients, network file sharing with Network File System (NFS) and Server Message Block (SMB), iSCSI initiators and targets, advanced networking and firewalld configurations, and the use of Bash shell scripting to help automate, configure, and troubleshoot the system. Through lectures and hands-on labs, students who have already earned the RHCSA certification will be exposed to all competencies covered by the Red Hat Certified Engineer (RHCE) exam (EX300).



Course contents:

- · Control services and daemons
- · Manage IPv6 networking
- · Configure link aggregation and bridging
- · Control network port security
- · Manage DNS for servers
- · Configure email delivery
- · Provide block-based storage
- · Provide file-based storage

- · Configure MariaDB databases
- · Provide Apache HTTPD web service
- · Write Bash scripts
- · Bash conditionals and control structures
- · Configure the shell environment
- · Linux containers preview
- Comprehensive review

JB183 - Red Hat Application Development I: Programming in Java EE

Duration: 32 hrs

This course exposes experienced Java Standard Edition (Java SE) developers to the world of Java Enterprise Edition (Java EE) and is based on Red Hat® Enterprise Application Platform 7.0.

In this course, you will learn about the various specifications that make up Java EE. Through hands-on labs, you will transform a simple Java SE command line application into a multi-tiered enterprise application using various Java EE specifications, including Enterprise Java Beans, Java Persistence API, Java Messaging Service, JAX-RS for REST services, Contexts and Dependency Injection (CDI), and JAAS for securing the application.

Course contents:

- · Transition to multi-tiered applications
- · Package & deploy applications to an application server
- · Create Enterprise Java Beans
- · Manage persistence
- · Manage entity relationships

- Create REST services
- · Implement Contexts and Dependency Injection
- Create messaging applications with JMS
- Secure Java EE applications
- · Comprehensive review

JB283 - Red Hat App. Dev. II: Implementing Microservice Architectures Duration: 32 hrs

Develop microservice-based applications in JAVA EE with MicroProfile and OpenShift.

Building on Red Hat Application Development I: Programming in Java™ EE (JB183), the introductory course for Java™ Enterprise Edition (Java EE) application development.

Red Hat Application Development II: Implementing Microservice Architectures (JB283) emphasizes learning architectural principles and implementing microservices in Java EE, primarily based on MicroProfile with WildFly Swarm and OpenShift. This course is based on Red Hat® Enterprise Application Platform 7.4 and Wildfly Swarm 2018.3.3.

You will build on Java™ EE application development fundamentals and focus on how to develop, monitor, test, and deploy modern microservices applications. Many enterprises are looking for a way to take advantage of cloudnative architectures, but many do not know the best way to go about it. These enterprises have monolithic applications written in Java™ EE.

Course contents:

- Describe microservice architectures
- · Deploy microservice-based applications
- · Implement a microservice with MicroProfile
- Test microservices
- · Inject configuration data into a microservice
- · Create application health checks

- · Implement fault tolerance
- Develop an API gateway
- · Secure microservices with JWT
- Monitor microservices
- Comprehensive review

CL110 - Red Hat OpenStack® Administration I

Duration: 40 hrs

Red Hat OpenStack Administration I (CL110) is designed for system administrators who are intending to implement a cloud computing environment using Red Hat OpenStack® Platform. This course is based on Red Hat OpenStack® Platform 13.

It will teach students to install a proof-of-concept, configure, use, and maintain Red Hat OpenStack® Platform. The focus on this course will be managing OpenStack using the Horizon dashboard and the command-line interface and managing instances, leaving students with proof-of-concepts.

Course contents:

- · Launch an instance
- · Manage projects and users
- · Manage project quotas
- · Manage flavors
- · Manage images
- · Manage networks
- · Manage floating IP addresses
- · Manage block storage
- · Manage security and access

- · Manage instances
- Install OpenStack
- · Manage the Keystone identity service
- Prepare to launch instances with commandline interface
- · Manage instances with the command line interface
- Manage block storage with the command line interface
- · Comprehensive review

DO180 - Introduction to Containers, Kubernetes, and Red Hat® OpenShift

Duration: 24 hrs

Introduction to Containers, Kubernetes, and Red Hat® OpenShift (DO180) introduces building and managing Docker containers for deployment on a Kubernetes cluster. This course helps students build core knowledge and skills in managing containers through hands-on experience with Docker, Kubernetes, and Red Hat OpenShift Container Platform. This course is based on Red Hat® OpenShift Container Platform 3.9 and Red Hat Enterprise Linux® 7.

As a result of attending this class, students should be able to containerize simple software applications and services, deploy them with Docker, Kubernetes, and Red Hat* OpenShift, test the containerized version, and troubleshoot issues with deployment.

Course contents:

- Course introduction
- · Get started with container technology
- · Create containerized services
- Manage containers
- · Manage container images
- Create custom container images

- Deploy containerized applications on Red Hat OpenShift
- Deploy multi-container applications
- · Troubleshoot containerized applications
- · Comprehensive review

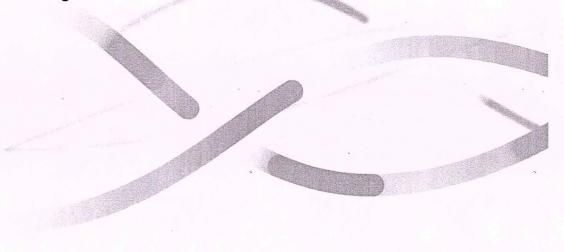




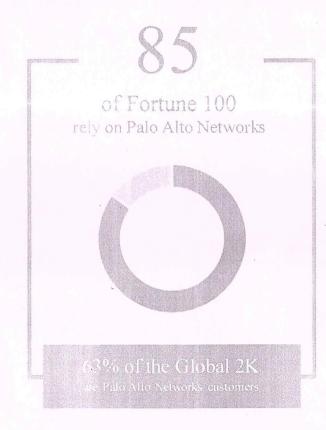
Cybersecurity Academy

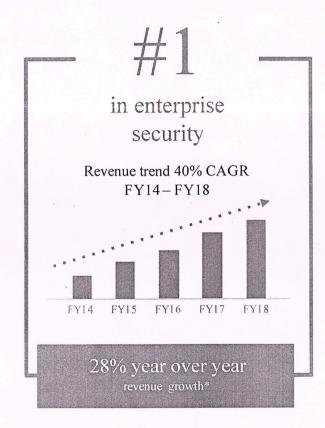
Protecting Life in the Digital Age One Student at a Time





The World's Leading Cybersecurity Company







Q4FY2018. Fiscal year ends July 31 Gartner, Market Share: Enterprise Network Equipment by Market Segment, Worldwide, 1Q18, 14 June 2018

Palo Alto Networks an Eight-Time Gartner Magic Quadrant Winner

Gartner recognized Palo Alto Networks as a Leader for the eighth time in its 2019 Magic Quadrant for Network Firewalls. We've achieved the highest position for ability to execute and furthest position for completeness of vision in the Magic Quadrant.

Figure 1. Magic Quadrant for Network Firewalls

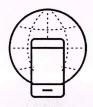


Gartner Magic Quadrant for Network Firewalk, Rajpreet Kaur, Adam Hils, Jeremy D'Hoinne, John Watts, 17 September 2019.

This graphic was published by Gartner, Inc. as part of a larger research document and should be evaluated in the context of the entire document. The Gartner document is available upon request from Palo Alto Networks. Gartner does not endorse any vendor, product or service depicted in its research publications, and does not advise technology users to select only those vendors with the highest ratings or other designation. Gartner research publications consist of the opinions of Gartner's research organization and should not be construed as statements of fact.

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Cyber Evolution Trends



Is Even where

Virtualization, IoT, BYOD and SaaS adoption has increased the threat vector

253+

connected devices will be in use by 2021



Advanced Threats

Attacks are becoming more pervasive and sophisticated

300M+

never before seen samples every month

32%

increase in malware delivered over encrypted traffic YoY



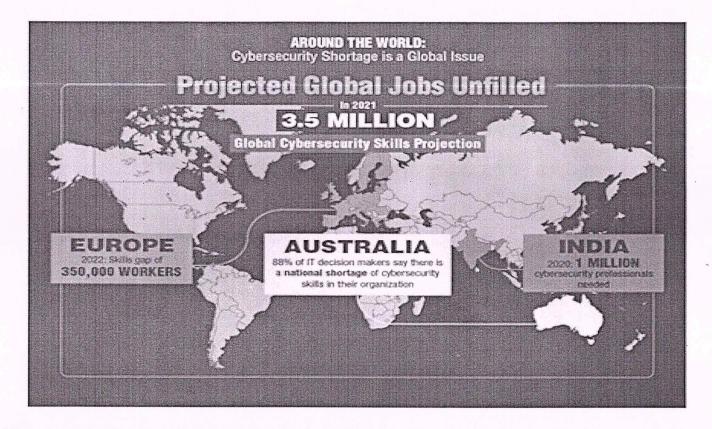
Security Skills Shortage

Cybersecurity skills shortage leaves organizations at risk

53%

of organizations report a shortage of cybersecurity skills

Cybersecurity Talent Shortage



SOURCE: Value Walk.com (10/18) | https://www.valuewalk.com/2018/10/ev/bersecunty-tabnit-gap-infographic/

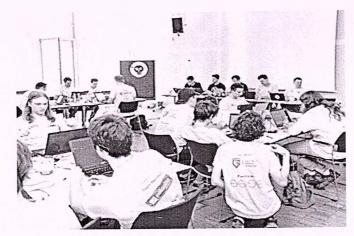
paloalto Cybersecurity Academy

Cybersecurity Academy Mission

To equip students with the next-generation cybersecurity knowledge and skills to succeed in today's rapidly changing cyber-threat landscape.

To prepare students for successful careers in cybersecurity by providing a foundation in our security products to close the growing cybersecurity skills gap.









Benefits

- Two integrated curriculum tracks:
 - Academic Aligns to (NICE) framework for cybersecurity work roles
 - Technical Aligns to Palo Alto Networks job roles
- Entry-level through advanced cybersecurity curriculum distributed via Moodle
- VM-50s (fully bundled) for your training lab
- Training lab setup support
- All of the above at no cost
- Discount certification exam vouchers
 - Two certifications (PCCSA & PCNSA)

Curriculum and Certification Roadmap (High School & Higher Ed)

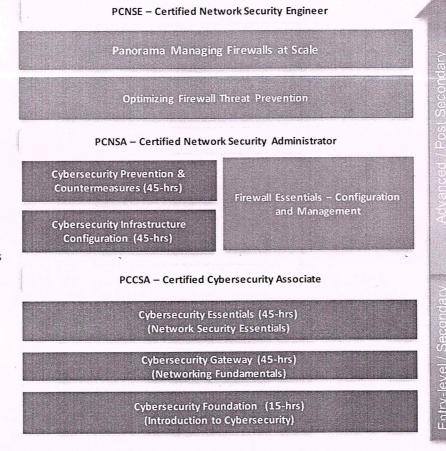


TECHNICAL TRACK

- Aligns to Palo Alto Networks job roles
- Must be taught over an academic term
- Incorporate into certificate programs

ACADEMIC TRACK

- Modular design teach full course or use modules to supplement existing course(s)
- Aligns to the U.S. National Initiative for Cybersecurity Education (NICE) framework and cybersecurity work roles
- Incorporate into degree programs



Cybersecurity Business Management Certificate

Business Management Cybersecurity (60-hrs)

Business Operations
Cybersecurity (60-hrs)

Business Administration Cybersecurity (45-hrs)

NICE Work and Job Role Alignment to Academy Courses



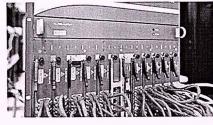
Course/Certification	NIST/NICE Work Role(s) Alignment	Job Roles
Cybersecurity Foundation	Fundamentals of cybersecurity – no work role alignment	N/A
Cybersecurity Gateway	 Customer Service and Technical Support: Technical Support Specialist (OM-STS-001) Network Services: Network Operations Specialist (OM-NET-001) 	 Technical Support Associate Help Desk Associate Network Operations Specialist Network Support Associate
Cybersecurity Essentials	Systems Analysis: Systems Security Analyst (OM-ANA-001)	System Security AnalystNetwork Security AssociateSales Engineer
PCCSA Certification	Systems Security Analyst (OM-ANA-001)	See above two rows
Cybersecurity Infrastructure Configuration	Protect and Defend: Cyber Defense Infrastructure Support Specialist (PR-INF-001)	Cyber Defense Infrastructure SupportNetwork Security Administrator
Cybersecurity Prevention & Countermeasures	 Protect and Defend: Cyber Defense Analyst (PR-CDA- 001) 	Cyber Defense AnalystCyber Defense Administrator
PCNSA Certification	 Cyber Defense Infrastructure Support Specialist (PR-INF-001) Cyber Defense Analyst (PR-CDA-001) 	See above two rows

Moodle-Based Curriculum Features

CyberSecurity Infrastructure Configuration

Dashboard Telesians if thaster Course Bhelle / CIC-Master V

Course Information





Property unity infrastructure Configuration Course Overview

Module 3 - Cybersecurity Policy Objective - Cybersecurity Policy Reading Security and NAT Policy Activities and Exercises INTERACTIVE Security and NAT Policy elearning Video Security and NAT Policy Configuration Labs Assessments Out to Security 2016 Additional NIST/NICE Resources



Course Features

- Syllabus and Objectives
- Overview presentation
- Individual Module Objectives
- Module readings
- Activities and Exercises
- One-click link to browser-based virtual Labs
- Assessments
- NIST / NICE Resources
- Instructor Resources

Note: All academic courses align to the U.S. National Initiative for Cybersecurity Education (NICE) framework and cybersecurity work roles.

Student Lab Options



1. Virtual Online Labs



- NDG NETLAB+ Virtual Edition platform with VMware ESXi infrastructure
- NDG Online Labs Our partnership provides online labs right in your browser. NDG-Online Labs and Current Pricing Model is:
 - Cybersecurity Gateway (CG) & Cybersecurity Essentials (CE)
 - FREE Lab Access (normally \$39.95 per learner for 6 months of access) through June 2021 and we are working to extend this indefinitely
 - Cybersecurity Infrastructure Configuration (CIC) & Cybersecurity Prevention & Countermeasures (CPC) or EDU-210 Firewall Essentials
 - \$50.00 per learner for 6 months of access

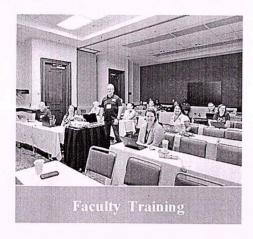
2. Palo Alto Networks VM-50s (free)

Bundled with Wildfire and URL filtering



Faculty Authorization Process





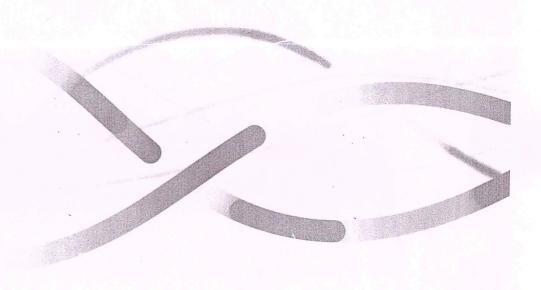


- Complete the Faculty Trainings for each course:
 - Moodle courses with hands-on labs
 - Live-online, instructor-led sessions with hands-on labs
- Complete all course labs and passing all chapter assessments at 80+%.
- Begin teaching authorized course(s).





Thank you





blueprism University

Academia Program

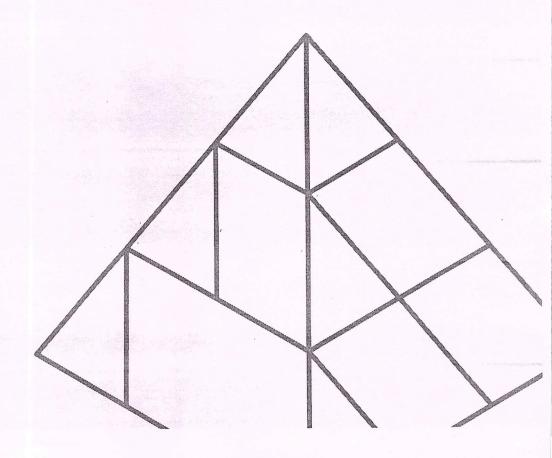
Your Guide to Success in the Blue Prism Academia Program

BluePrism.com

Overview: Blue Prism Academia Program

Blue Prism Academia Program is part of Blue Prism University, Blue Prism's effort to spread RPA knowledge and capabilities around the globe.

This program enables instructors at academic institutions to deliver authorized Blue Prism courses in a variety of settings. Students can jump-start their career and RPA knowledge with coursework through a global network of colleges and universities, and through online certification opportunities, hands-on labs, and other Blue Prism learning resources.



Who can apply?

Students

Blue Prism training and certification opens doors to a rewarding RPA career. Blue Prism certifications will continue to be in high demand as more companies automate their processes and move to RPA platforms. By earning Blue Prism certificates, students stand out from their peers.

Eligibility:

- Students who are actively enrolled at an eligible institution (Graduation and Post-Graduation College or University or nonprofit)
- Accredited, degree-granting education institutions worldwide that offer two, three- or four-year programs (or equivalent)

Educators

Blue Prism educators are the heart of the Academia program. You will help us prepare your students for indemand jobs and certification exams. As an educator, you will be connected with other educators and invited to many professional development opportunities to learn new technologies and best practices. Even more importantly, you'll be aligning your students with a global community of RPA developers, mentors, advocates and other students excited to be learning indemand skills.

Eligibility:

- Full or part-time instructors at an eligible institution
- Educators should attend instructor led training and should pass the post training assessments to become a certified educator

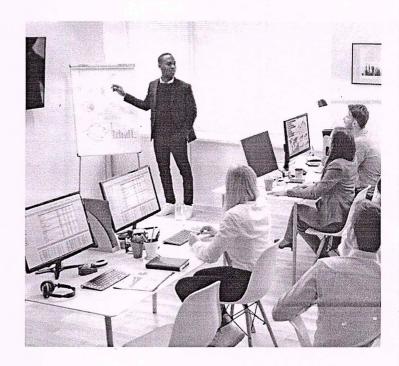
Institutions

Blue Prism Academia Program is an educational program focused on building the RPA skills of undergraduate and post graduate students. We provide resources for educators who deliver authorized Blue Prism courses.

NOTE: Blue Prism Academia Program are not intended for non-academic purposes, such as training institutes, corporate IT staffs or delivering for-profit training to professionals.

Eligibility:

- Accredited, degree-granting higher education institutions worldwide that offer 2-, 3- or 4-year programs (or equivalent)
- Career or technical schools offering accredited degrees or certificates through in-person or distance education programs and online universities



Program Benefits

Benefits	Free	Institutions	Educators	Students
Free Blue Prism software license	✓ .	✓	✓	V
User friendly LMS providing access to world-class teaching, learning, and certification resources	√ ·	✓		✓
Free hands-on labs	√	✓	√	/
Blue Prism-authorized curriculum to prepare for certificcation exams	✓	√	√	✓
Role based certification exam			√	√
In-person, virtual and on-demand Train-the-Trainer classes			√	
RPA Competitions and Campaigns	✓	✓	✓	✓

Learning Pathway

Academia	Exploratory	Foundation	Career-Ready	
Learning Pathway		Collaborate for Impact Hackathons RPA Competitions Social Media Campaigns		
certified blueprism Developer	Introduction to RPA (Coming soon)	Blue Prism Foundation Training	Lifecycle Orientation Training	
		Developer Mandatory Training	Advanced Consolidation Exercise	
		mandatory framing	Further Developer Learnin Working with other applications & Spy Modes	
certified blueprism	Introduction to RPA (Coming soon)	Product Induction	ROM Training (Coming Soon)	

Lab Environment

Blue Prism provides multiple ways to access our flagship connected-RPA software to help you become familiar with Blue Prism. You can deploy Blue Prism at your university in two ways:

Learning Edition

What you get:

- A feature-limited installation of Blue Prism
- A free (renewable) 90-day license

Device requirements

*Only on personal computers or devices:

- Intel Processor
- 2GB RAM
- Minimum 10GB free disk space (after install of Operating System and standard software)
- Windows 8.1 (64-bit) or 10 (64-bit)
- .NET Framework 4.7

Training License

What you get:

- A feature limited installation of Blue Prism
- A free 12 months license

Device requirements and preparation

*Only on personal computers or devices:

 x64 Intel Processor (minimum 1.4 GHz, ideally 2.0 GHz or faster)

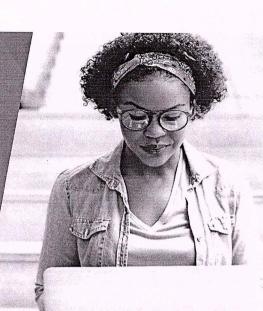
To support Learning Edition users and institutions with Training Licenses, we provide free access to our product documentation, training materials, and learning communities through Blue Prism University and other support services.





Academia Program

Educating Tomorrow's RPA Leaders



What is Blue Prism's Academia Program?



BLUE PRISM IN THE CLASSROOM

- Blue Prism training licenses for professors and students
- Offer hands-on RPA learning
- Attract and retain top student and professor talent



PROFESSOR TRAINING & CERTIFICATION

- Blue Prism developer certification for
- Curriculum building assistance
- "Train the Trainers" for curriculum successtalent



JOB SKILLS FOR STUDENTS

- Hands-on learning with leading RPA software
- On-demand developer certification
- Proctored certification exams



INVESTMENT IN THE RPA **INDUSTRY**

- Fostering education for tomorrow's **RPA** leaders
- Building relationships with RPA educators
- Building business skills needed today

"The partnerships that grow from this program will seed the next generation of innovators, disruptors and digital business leaders"

- JOHN HINDLE, MANAGING PARTNER AT KNOWLEDGE CAPITAL PARTNERS



For Universities

Attract top student and professor talent!

Universities can offer cutting-edge technology course curriculums with hands-on Blue Prism connected-RPA training. Each university accepted into the program will be assigned an Academic Alliance Manager who will help coordinate the implementation of the training licenses, professor training and curriculum development.

*Academic institutions offering full time curriculums in technology are eligible for program acceptance.



For Professors

Teach real job skills with hands-on learning in the classroom!

Professors can use up-to-date versions of Blue Prism's market-leading connected-RPA software to teach automation developing skills and to design entire curriculums around developer certification. We ensure each professor is properly trained, certified and equipped to successfully lead the future of RPA developers. *Professors must be certified Blue Prism developers to teach Blue Prism connected-RPA course curriculums—on-demand training and certification opportunities provided.



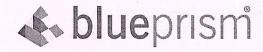


For Students

Learn valuable job skill in the classroom!

Learning RPA with hands-on access to Blue Prism's market-leading connected-RPA platform makes preparing for a successful future in the technology industry easier than ever. With instructor-led classroom training and access to a host of online resources, students can become Blue Prism certified while they earn their degree.

*Students who are interested in learning Blue Prism but do not attend an Academia Program Member University can use Blue Prism's Learning Edition to achieve the same experience, training and certification opportunities.



About Blue Prism

Blue Prism's connected-RPA is an intelligent RPA platform that was designed to be business-led and technology-controlled. With user-friendly design and easy access to AI capabilities, Blue Prism's connected-RPA enables operational experts to build innovative process automations while meeting the strictest security and compliance standards. Visit www.blueprism.com.



Microchip Technology Inc. The Embedded Control Solutions Company®

Microchip Technology Inc. is a leading provider of microcontroller, analog, FPGA, connectivity and power management semiconductors. Its easy-to-use development tools and comprehensive product portfolio enable customers to create optimal designs which reduce risk while lowering total system cost and time to market. The company's solutions serve more than 130,000 customers across the industrial, automotive, consumer, aerospace and defense, communications and computing markets. Headquartered in Chandler, Arizona, Microchip offers outstanding technical support along with dependable delivery and quality.

Microchip Academy:

Microchip's Academic Program demonstrates our ongoing commitment to support the education of the next generation of engineers. We offer unique benefits and resources for educators, researchers and students worldwide. Our partnership with academia is intended to increase the awareness and knowledge of embedded applications and inspire students to become the innovators of the future.

Academic Support

- ■Access to labs, curriculum and course material
- Silicon donations to help seed labs
- Assistance fi nding low-cost development tools
- Free versions of all Microchip software development tools
- 25% Academic Discount when ordering many of the development tools available on Microchip's online e-commerce site.

Benefits to Academy

- Academies gain access to global standard courses that support Core Engineering Streams and align to On-Demand job skills and globally recognized certifications.
- Academy instructors receive ongoing training and support through a collaborative global community, and not-for-profit institutions are eligible for discounts on equipment and curricula licensing at no cost.
- Being microchip Academy, Academies deliver training to students and receive training and support from Regional Training Center (RTC) & Microchip Training Partners.



Instructor Benefits

- In-person training on different Microchip cutting-edge technologies can be availed from RTC & Microchip training partners.
- As an instructor, you'll gain access to an online course delivery and learning management system and resources such as class guides, lab manuals, and innovative learning tools.
- Microchip through RTC also provides online forums and support, instructor training courses, certification examinations, and regional conferences and events.
- Microchip Academy instructors are encouraged to collaborate and share best practices as members of a global community of Microchip and its Partners.
- Microchip Academy also provides opportunities for instructors to assist in the development of new courses.

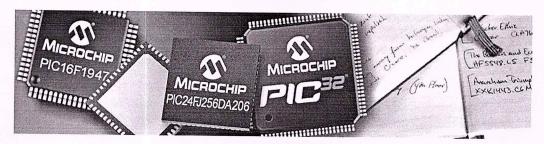
Student Benefits:

- Students gain ICT knowledge and practical experience through microchip IDE, Compiler & Simulators
- Students can earn MAPIC Certification to achieve their dream jobs in Core Sector in the world.
- To help students prepare for the positions in a variety of Core Industries, Microchip Academy courses emphasize the practical application of knowledge and the development of career skills such as critical thinking, problem solving, and collaboration.
- Microchip Academy works with business partners, NGOs, government agencies, and academies to help students and alumni pursue career opportunities in Core and Embedded Systems.
- As a Microchip Academy student, He/ She gains access to innovative learning tools, a global support community, and resources to help you launch your career.
- Students who successfully complete Microchip Academy courses are invited to join the global alumni community on LinkedIn.



Microchip's Academic Program

Now Including Atmel® Microcontrollers, Development Boards and Tools



Benefits

- Access to course materials
- ▶ Silicon donations
- ▶ One-on-one consultations
- ► Tool samples for evaluation
- ▶ 25% discount on tools
- ► Free live training
- ► Microchip MASTERs Conference discount

Resources

- Getting started tutorials
- ▶ Recommended texts
- Free samples
- ► Application notes
- ► Code examples
- ▶ Software libraries
- ▶ Webinars

Web-based and downloadable free cross-platform professional tools











