



The role of authorized courses for education and training of specialists in cyber-security and information technology

Dinu ȚURCANU
Head of the Information Technologies and Communications Directorate,
Technical University of Moldova, The Republic of Moldova
www.utm.md

Become Part of the Solution

- Information Communications & Technology is a growing industry, essential to economic and business development
- Certified, IT professionals have a passport to the global work place.
- Tekwill Academy prepares you for industry certification.



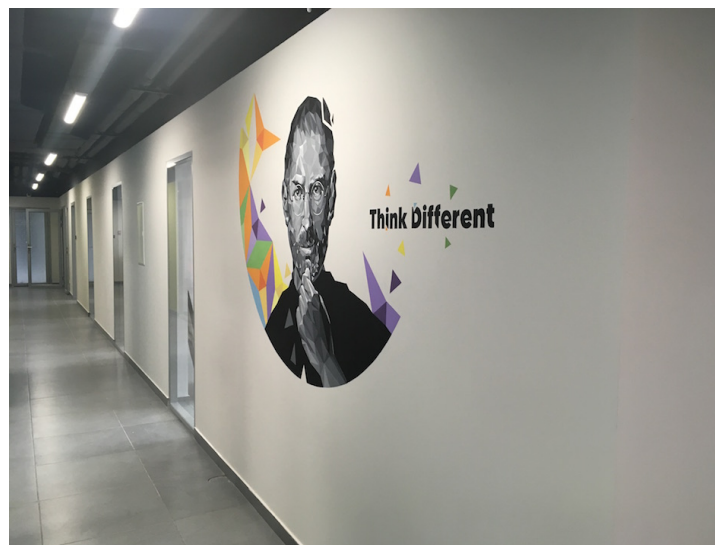
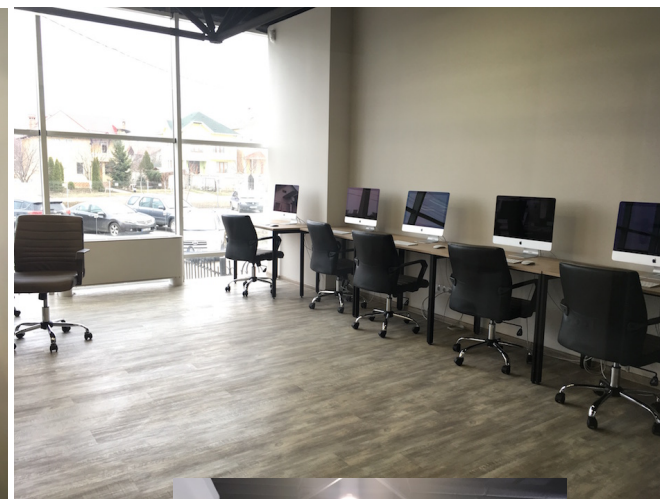
Tekwill is...

where people, community, ideas, resources, science and industry meet to identify, facilitate and enhance excellence in information technology.

Tekwill will provide:

- World-class education and training facilities, lectures and laboratories
- Connections for business, professionals, students, professors and investors
- Research and development capabilities





Tekwill Facilities

3,400
m²

150
co-working
spaces

meeting and
conference

12
rooms

10
offices

Specialized labs for training, research, and development

**3D printing
LAB**

**Robotics
LAB**

**IoT
LAB**

**Networking
LAB**

Our Target

- ✧ **University Students**
- ✧ **University Teachers**
- ✧ **ICT Companies**
- ✧ **ICT Professionals**
- ✧ **Start-ups & small-medium enterprises (SME)**
- ✧ **Gov't institutions & E-gov center**
- ✧ **Private sector (non-ICT)**
- ✧ **Women & girls**

Tekwill Academy® Program: Networking & Cyber Security

Nr	Courses
1	Information and Communication Technology: Cisco Authorized course IT Essentials: PC Hardware and Software
2	Introduction to the network: Cisco Authorized CCNA Routing & Switching course
3	Routing and switching in the network: Cisco Authorized CCNA Routing & Switching course
4	Scalability and reliability in the network: Cisco Authorized CCNA Routing & Switching course
5	WAN technologies: Cisco Authorized CCNA Routing & Switching course
6	Modern Security Threats: Cisco Authorized CCNA Security course
7	Internet of Things: Cisco Authorized IoT course
8	Configuration and administration Windows & Windows Server: Microsoft Authorized course
9	Linux Systems Administrator: Linux Professional Institute Authorized course
10	Advanced routing: Cisco Authorized CCNP Routing & Switching course
11	Advanced switching: Cisco Authorized CCNP Routing & Switching course
12	Troubleshooting: Cisco Authorized Cisco CCNP Routing & Switching course
13	IT Project Management

365 Days
52 Weeks
12 Months
ONE Year



Tekwill Academy® Program

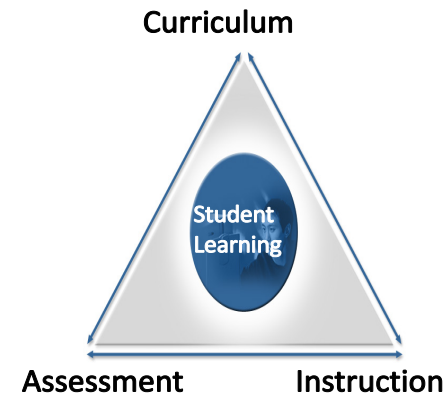
- Tekwill Academy Program is your way to increase professional skills in the field of Information Technology. The combination of online training with certified instructors and lab exercises "hands-on" prepares you for the demands of modern ICT.
- According to a global survey of alumni of Cisco Academies (IT employees) who have completed at least one full course, about **87%** mentioned that courses help to climb even a position in the corporate ladder. **76%** of them say they were simpler employed than their colleagues, getting better jobs with other status, and **74%** of top managers mentioned that their companies have achieved remarkable success and considerable income after the employees of IT department followed these courses.



Tekwill Academy Networking & Cyber Security Program

A blended learning model combines curriculum, assessment, and instruction to improve student learning

Preparation for networking and IT jobs and staff development in engineering, computer science, cyber security and other fields



Benefits of the Tekwill Academy Program

- Rigorous course curriculum, learn in labs using the latest technology
- Know how you are doing as you go, and review challenging concepts
- Both independent study and personalized instruction
- Hands-on experience in labs working with others
- Ranked best overall certification program



Benefits of the Tekwill Academy Program

Certificate of Course Completion

E-learning, on-line courses

Discount
Certification
Vouchers

Certified Instructors

Adaptive Curriculum,
Skill Set Inventory

Tekwill Academy



High Quality Curriculum

Cisco Curriculum:

- **New** ITE Essentials v6.0
- **New** CCNA Routing & Switching v6.0
- **New** CCNP Routing & Switching
- **New** CCNA Security
- **New** Internet of Things
- etc.

Course Catalog Info: <http://cisco.netacad.net/public/academy/catalog/index.html>

Authorized courses from Microsoft Imagine Academy

By joining the Imagine Academy program, you will get a full curriculum for teaching technology courses and learning tools that help students achieve success.

Imagine Academy enables you to offer training not only on fundamental technology skills, but also technical courses for your students who are interested in pursuing a career in IT after graduation.

Learning paths offered:

Areas of Study

Self Study and Classroom Content for these Skill Focus Areas	Productivity	Computer Science	IT Infrastructure
	Digital Literacy, Windows, O365, Word, PPT, Excel	Programming Basics, Programming Concepts, Application Development	Managing Infrastructure for Cloud, Clients, Devices, Databases and O365

Student Credentials	Microsoft Office Specialist	Microsoft Technology Associate	→	Microsoft CERTIFIED Professional			
Educator Professional Development	Microsoft Office Specialist	→	Microsoft CERTIFIED Educator	→	Microsoft Technology Associate	→	Microsoft CERTIFIED Professional

The advantages of networking and security courses

Benefits for your company

- Staff certified with advanced professional skills to meet the requirements of modern ICTs
- Increase reliability and security of information network

Benefits for Managers of IT Departments

- Certified engineers and system administrators who possess advanced knowledge in designing, organizing and maintaining of communication network

Employee benefits

- Enhancing professional skills
- Obtaining internationally recognized industry certifications



NetAcad student talent and employment: Success Story in MD

Studying Leads to Prize Trip and Job at Cisco

1

Cisco Turns Students into Specialists

2

Cisco Academy Courses – successful career of a future engineer

3

Cisco NetAcad helped me to find a well paid job, desired by many young

Cisco Academy provides knowledge and practical experience in networking, which helps you be more quoted in employment market



Studying Leads to Prize Trip and Job at Cisco



Winner of International NetRiders



As the top female competitor in the global Cisco NetRiders competition, Lilia Rosioru won a study trip that included Cisco lab tours and sightseeing in San Francisco, before landing a great job in Krakow.

Skills and Determination to Succeed

Lilia's path to success began at the Technical University of Moldova, where she was encouraged to study technical courses and work her way to a career in IT by her NetAcad Instructor Dinu Turcanu. Her positive attitude and desire to absorb and assimilate new information helped her prove to herself that she was capable of succeeding in a male-dominated field. Her biggest challenge was accumulating practical knowledge, which she credits Cisco Networking Academy courses for providing.

As she studied and experienced success with the courses, Lilia became determined to win the NetRiders competition. She found it exciting to face technical challenges and continue to learn while she studied for the competition. Her high expectations and rigorous study habits helped Lilia excel through the competition, leading to the top female score worldwide. "NetRiders helped me get my job and win the title of one of the best students in Moldova," she says.

Grand Prize U.S. Study Trip

Lilia recently experienced her first flight, which took her to Cisco headquarters in San Jose, California. During the trip, she met with NetAcad curriculum designers and staff, top Cisco executives and engineers, and experts from Stanford University, while developing new friendships with other NetRiders winners from around the world. She was encouraged by interactions with people she describes as a source of her personal growth and career motivation. "It is impossible to be successful alone," she explains.

Winner of International NetRiders

Confidently Transitioning Into a Career

After winning the NetRiders competition and earning her Cisco CCNA certification, Lilia secured a position as a systems engineer at Fiscservinform. When she decided to explore other career options, Lilia pursued an opportunity at the new Cisco Global Support Center in Krakow. The hiring managers were impressed with her skills and offered her a position as a customer support engineer.

Words of Advice

Lilia's advice for students looking for work is "Don't be afraid to prove your skills when going to an interview. Learn continuously and take initiative." For future NetRiders competitors, she offers this advice: "Study, study, study, and believe in yourself. Don't stop only at the information offered by course content."



"NetRiders helped me get my job and win the title of one of the best students in Moldova" - Lilia Rosioru

Cisco Turns Students into Specialists

Cisco Academy Courses –
successful career of a future
engineer



Hands-on instruction helps university students meet market needs



Information sharing and technology development – the wave of the future in Moldova – starts in the classroom. A few years ago, attracting interested students was easy, but developing the right curriculum to make Moldovan information technology (IT) graduates attractive to employers was a greater challenge.

USAID in Moldova commissioned a skills gap assessment which found that vendor-based IT training such as that provided by Cisco was seen as a quick pathway to gaining the skills that employers look for. The academy exposes students to the hardware, software, and hands-on experience that make them marketable.

Instructor Dinu Turcanu brings the Cisco Networking Academy curriculum to the Technical University of Moldova (TUM), where he worked with Andrei Gherghelas, a student whose career path was transformed by this training. Mr. Turcanu and other professors describes Andrei as a “medium student in the Technical University, but in the academy he proved one of the best.” Like many of his classmates, Andrei was looking for an opportunity to learn something new. All 10 students enrolled in first Cisco class passed the certification exam, and seven were immediately hired by leading Moldovan IT companies.

Once unsure of his post-university choices, Andrei’s knowledge and high grades led to a position with a prominent Moldovan IT firm, Moldtelecom – National Telecommunications Operator. In interviews, most questions focused on principles he had learned through Cisco. Once on the job, he was promoted to team leader within months. Andrei was in TOP NetRiders National Competition Moldova.

“If not for the Cisco course that I attended, I wouldn’t have gotten that job,” says Andrei Gherghelas.



Cisco NetAcad helped me to find
a well paid job, desired by many young

Cisco Academy provides knowledge and
practical experience in networking,
which helps you be more quoted
in employment market



Cisco exclude the gap between academic knowledge and skills needed for employment



Being in the final year of studies at the Technical University of Moldova, Sergiu tried several interviews announced by IT companies in the country. Since the interview on feeling the gap between the knowledge required for employment and theoretical knowledge obtained in universities, Sergiu has decided to enroll in CCNA courses at Cisco Academy in Technical University of Moldova.

At the graduation of Cisco Academy Sergiu was successfully employed within mobile operators of the country - Orange Moldova as Mobile Packet Switched Core Network Engineer.

After experience in mobile communications operator, attended the interview announced by Cisco in Krakow, Poland and now Sergiu is employed as a Network Consulting Engineer at Cisco Global Support Center in Krakow, Poland.

“CCNA R&S course helped me to find a well paid job, desired by many young. Thanks Cisco, Thanks my instructor Dinu Turcanu” – Sergiu Calmic

Enroll Today!



Dinu ȚURCANU

Cisco Certified: CCNA, CCNA Security, CCDA, CCNP, CCDP, CCNP Collaboration, CCNP Security, Cisco Certified Academy Instructor

Microsoft: Microsoft Certified Professional", „Microsoft Certified Solutions Associate: Office 365"

Hewlett-Packard: HP Accredited Integration Specialist, HP Accredited Systems Engineer.

e-mail: dinu.turcanu@adm.utm.md

