

## **SPECIALIZATION NETWORKING TECHNOLOGIES AND SYSTEM ADMINISTERING INCLUDES:**

### **Author's Course**

- Hardware of working stations and notebooks.
- Switching in local networks, basic course.
- Switching in local networks, extended course.
- Switching in local networks, professional course.
- Designing, installation and diagnostics of structured cabling system.
- Routing in IP networks, basic course.
- Routing in IP networks, extended course.
- Routing in IP networks, professional course.
- Application protocols and stack services TCP/IP.
- Administering of Windows 7.
- Administering of Windows Server 2012.
- System administering of Linux.
- Network administering of Linux.
- Computer networks and systems security.
- Administering of Microsoft SQL Server 2014.
- Introduction to Virtualization.
- Introduction to algorithms theory.
- Traditional programming using C language.

### **Certified Training Cisco Academy:**

- IT Essentials. PC Hardware and Software.
- CCNA Routing and Switching. Introduction to Networks.
- CCNA Routing and Switching. Routing and Switching essentials.
- CCNA Routing and Switching. Scaling Networks.
- CCNP. Implementing IP Routing.
- CCNP. Implementing IP Switching.
- CCNP. Maintaining and Troubleshooting IP Networks.

**STUDENTS SUCCESSFULLY FINISHED THEIR STUDIES GET GRADUATION CISCO ACADEMY CERTIFICATE.**

### **Certified Training Microsoft IT Academy:**

**STUDENTS SUCCESSFULLY FINISHED THEIR STUDIES GET GRADUATION MICROSOFT IT ACADEMY CERTIFICATE.**

**AFTER FINISHING THE STUDY ON THE SPECIALIZATION «NETWORK TECHNOLOGIES AND NETWORK ADMINISTERING»**

#### **YOU WILL BE ABLE:**

- ✓ To design, install and certify a structured cable system;
- ✓ To design and build local network of any complexity using modern active equipment;
- ✓ To arrange a corporate routing network using global technologies on the basis of IP protocol;
- ✓ To connect the corporate network to Internet providing a necessary level of security;
- ✓ To elaborate and implement complex network security policies;
- ✓ To exercise development and support of relevant network services, providing safe and effective access to network resources;
- ✓ To administer modern server operational systems and modern active equipment;
- ✓ To manage the operation of big and highly complex networks;
- ✓ To diagnose and remove network errors and breakdowns.

**AFTER FINISHING THE COURSE STUDENTS WILL BE READY TO TAKE CERTIFIED EXAMS ON THE FOLLOWING CERTIFIED PROGRAMS:**

After graduating students can work as network and system administrators in IT-departments of big state and commercial organizations, banks, educational institutions, as well as in the companies dealing with system integration and analysis. Any organization which activity involves modern informational technologies is in demand of qualified specialists in this field.