



INTENSIVE CODE CAMP

Systems Administration 2024

Be one of our Graduates Family

Track Overview

Information Technology Institute

People Develop Countries .. We Develop People



- ✉ ITInfo@iti.gov.eg
- ☎ +202-35355656
- 📍 28 Km Cairo / Alexandria Desert Road, B148 Smart Village, Egypt
- 📘 Intensive Training Program
- 🌐 www.iti.gov.eg

Systems Administration



DESCRIPTION

ITI Intensive Code Camp – (System Administrator) Specialization -*System Administration* (SA) focuses on the deployment and maintenance of computer systems and networks. The system administration track concerns issues related to the selection, installation, configuration and maintenance of Linux- and Windows-based systems (including shell programming and scripting , remote management, as well as the design and implementation of policies and automated administration regimes) and Internet-working environments.



WHO MAY APPLY

Graduates of:

- Computer Engineering,
- Communications Engineering
- Computer Science



TRACK DURATION

504 Hours around 4 months



DELIVERY APPROACH

Blended between Self-paced, Synchronous Learning and Guided Practices

BEFORE YOU APPLY

Candidates will have to complete the following prerequisite courses to join our program:

These topics will be discussed with you in the interviews (Resources applicants can visit or study before interview)

- Introduction to computer networks
<https://maharatech.gov.eg/course/view.php?id=37>
- Introduction to cybersecurity could be found at MaharaTech:
<https://maharatech.gov.eg/course/view.php?id=37> or other resources that you prefer
- ITI values that could be found here: [http:// www.iti.gov.eg/Site/AboutUs](http://www.iti.gov.eg/Site/AboutUs)

Systems Administration



GRADUATE PROFILES

Systems Administrator, is an individual who carries the responsibility of overseeing the smooth operation of a computer network for an organization. They make sure that mail servers are functioning properly, plan networks and oversee their installation, maintain and upgrade software, support users in smaller organizations, monitor security tools and handle the installation, distribution, control and removal of hardware. A System Administrator also maintains the internet connection and firewall. They often support other divisions in the organization that occasionally integrate with the IT department.

The average salary for a Systems Administrator
https://www.payscale.com/research/EG/Job=Systems_Administrator/Salary/68af3e20/Cairo

Output Evaluation and KPIs



redhat
CERTIFIED
SYSTEM
ADMINISTRATOR

Red Hat Certified System Administrator

Red Hat Certified System Administrator (RHCSA) Exam



VMware Certified Professional - Data Center Virtualization

VMware Certified Professional - Data Center Virtualization



Certified Kubernetes Administrator

Certified Kubernetes Administrator (CKA) Exam

Systems Administration



OVERALL LEARNING JOURNEY OUTLINE

15%

IT Essentials & Networking

6 Hrs.	Operating System Fundamentals
6 Hrs.	Database Fundamentals Workshop
6 Hrs.	Cloud Computing and Virtualization Foundations
30 Hrs.	Interconnecting Cisco Networking Devices Part 1
30 Hrs.	Interconnecting Cisco Networking Devices Part 2

27%

System Administration

36 Hrs.	Red Hat System Administration I Red
36 Hrs.	Hat System Administration II
18 Hrs.	Red Hat System Administration III (Ansible)
36 Hrs.	Windows Server Administration
12 Hrs.	Web Server Administration

14%

Cloud Infrastructure & Virtualization

30 Hrs.	VMware vSphere: Install, Configure and
30 Hrs.	Manage AWS SysOps Administration
12 Hrs.	Microsoft Azure

23%

Automation, Containerization, Orchestration, Digital Pipelines

36 Hrs.	Docker and Kubernetes Version
12 Hrs.	control using Git DevOps Concept and
48 Hrs.	toolchain
18 Hrs.	Infrastructure as Code: Terraform

10%

Development Skills

30 Hrs.	Introduction to Python
18 Hrs.	Bash Shell Scripting

11%

Life Skills

12 Hrs.	Effective Communication
18 Hrs.	Presentation Skills
12 Hrs.	Interviewing Skills
12 Hrs.	Freelancing Skills