GETU ACADEMY

YOUR ROADMAP

COMMENT STUDY: HERE IT IS

PICK YOUR FIELD

Tap your field to jump to its roadmap.

1

CYBERSECURITY

Networking / Linux / Python / Defend / Attack / Cloud

OPEN MY ROADMAP >

2

SYSTEM ADMINISTRATOR

Windows Server / Linux / Virtualization / Scripting / Security / Troubleshooting

OPEN MY ROADMAP >

3

DATA ANALYST

Spreadsheets / Statistics / Analysis / SQL / Python / BI

OPEN MY ROADMAP >

4

DATA ENGINEER

SQL / Python / Data modeling / ETL + ELT / Orchestration / Platforms

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5

CLOUD ENGINEER

Linux / Networking / Core services / Security / Automation / Reliability

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If this helped, please consider following @getuacademy

GETU ACADEMY

YOUR ROADMAP

TO BE IN

CYBERSECURITY

What to study, in this order. One thing to build at each step.

1 Networking

TCP/IP · DNS · Firewalls

BUILD Capture your own traffic and find one DNS lookup.

2 Linux

Command line · Permissions · Bash scripts

BUILD Clear the first 10 levels of Bandit.

3 Python

Automation · APIs · Log parsing

BUILD Write a script that counts failed logins in a log.

4 Defend

SIEM · Threat detection · Incident response

BUILD Run an open-source SIEM in a VM and trigger an alert.

5 Attack

Nmap · Burp Suite · OWASP Top 10

BUILD Scan your own lab VM, then solve 3 web labs.

6 Cloud

IAM · Zero trust · Containers

BUILD Make a cloud user that can read one bucket and nothing else.

7 THEN PROVE IT WITH A CERT

Network+, then Security+, then CySA+

15 free Network+ practice questions, no sign-up

getuprep.com/paths/cybersecurity >

WHERE TO LEARN IT

- TryHackMe: Pre Security path — OPEN >
- OverTheWire: Bandit (Linux practice) — OPEN >
- PortSwigger Web Security Academy (free) — OPEN >

START TODAY Open Bandit level 0 and log in over SSH.

If this helped, please consider following @getuacademy

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YOUR ROADMAP

TO BE A

SYSTEM ADMINISTRATOR

What to study, in this order. One thing to build at each step.

1 Windows Server

Active Directory · Group Policy · DNS + DHCP

BUILD Build a domain controller in a VM and join one PC.

2 Linux

Permissions · Services · Package managers

BUILD Install a web server and make it start on boot.

3 Virtualization

Virtual machines · Storage + RAID · Cloud servers

BUILD Run two VMs on one virtual network and ping across.

4 Scripting

PowerShell · Bash · Scheduled tasks

BUILD Script 10 new user accounts from a CSV file.

5 Security

Patching · Hardening · Backups

BUILD Back up a VM, break it on purpose, restore it.

6 Troubleshooting

Logs · Monitoring · Root cause

BUILD Stop a service, read the logs, write down the cause.

7 THEN PROVE IT WITH A CERT

CompTIA Linux+ (XK0-006)

15 practice questions free, no sign-up

getuprep.com/comptia/xk0-006 >

WHERE TO LEARN IT

- PowerShell 101 (Microsoft Learn) — OPEN >
- OverTheWire: Bandit (Linux practice) — OPEN >

START TODAY Open PowerShell, run Get-Service, read what is running.

If this helped, please consider following @getuacademy

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YOUR ROADMAP

TO BE A

DATA ANALYST

What to study, in this order. One thing to build at each step.

1 Spreadsheets

Excel · Pivot tables · Lookups

BUILD Build one pivot table on a public dataset.

2 Statistics

Averages · Probability · Hypothesis tests

BUILD Find the mean and median of a column. Explain the gap.

3 Analysis

Data cleaning · EDA · KPIs

BUILD Clean a messy CSV and write down 3 things you found.

4 SQL

Joins · Subqueries · Window functions

BUILD Finish every SQLBolt lesson.

5 Python

Pandas · NumPy · Matplotlib

BUILD Load a CSV in Pandas and chart one column.

6 BI

Power BI · Tableau · Dashboards

BUILD Build a one-page dashboard that answers one question.

7 THEN PROVE IT WITH A CERT

Azure Data Fundamentals (DP-900)

15 practice questions free, no sign-up

getuprep.com/microsoft/dp-900 >

WHERE TO LEARN IT

- SQLBolt: SQL lessons in your browser — OPEN >
- Kaggle Learn: Python and Pandas (no cost) — OPEN >
- Microsoft Learn: Get started with data analytics — OPEN >

START TODAY Do SQLBolt lesson 1.

If this helped, please consider following @getuacademy

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YOUR ROADMAP

TO BE A

DATA ENGINEER

What to study, in this order. One thing to build at each step.

1 SQL

Joins · Window functions · Query tuning

BUILD Finish every SQLBolt lesson.

2 Python

Pandas · APIs · PySpark

BUILD Pull data from a public API into a table.

3 Data modeling

Star schema · Warehouses · Data lakes

BUILD Sketch a star schema for an online store.

4 ETL + ELT

dbt · Batch jobs · Data quality

BUILD Build one dbt model with a test on it.

5 Orchestration

Airflow · Scheduling · Monitoring

BUILD Schedule your API pull to run every day.

6 Platforms

Snowflake · BigQuery · Spark

BUILD Load your table into a cloud warehouse and query it.

7 THEN PROVE IT WITH A CERT

Databricks Data Engineer Associate

15 practice questions free, no sign-up

getuprep.com/databricks/databricks-dea >

WHERE TO LEARN IT

- SQLBolt: SQL lessons in your browser — OPEN >
- Data Engineering Zoomcamp (free, self-paced) — OPEN >
- Kaggle Learn: Python and Pandas (no cost) — OPEN >

START TODAY Do SQLBolt lesson 1, then open Zoomcamp module 1.

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YOUR ROADMAP

TO BE A

CLOUD ENGINEER

What to study, in this order. One thing to build at each step.

1 Linux

Command line · SSH · Bash scripts

BUILD Clear the first 10 levels of Bandit.

2 Networking

Virtual networks · DNS · Load balancers

BUILD Draw a network with a public and a private subnet.

3 Core services

Compute · Storage · Databases

BUILD Launch one server and host a web page on it.

4 Security

IAM · Encryption · Least privilege

BUILD Make a user that can read one bucket and nothing else.

5 Automation

Terraform · CI/CD · git

BUILD Rebuild that server with Terraform. Keep it in git.

6 Reliability

Backups · Monitoring · Cost control

BUILD Set a budget alert before anything else.

7 THEN PROVE IT WITH A CERT

AZ-900, then AZ-104 (or the AWS route)

15 free AZ-900 practice questions, no sign-up

getuprep.com/paths/cloud >

WHERE TO LEARN IT

- OverTheWire: Bandit (Linux practice) — OPEN >
- Microsoft Learn: Azure Fundamentals — OPEN >
- Terraform tutorials (HashiCorp) — OPEN >

START TODAY Open the Azure Fundamentals course and do unit 1.

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