

Course Roadmap

Students will learn internet elements, the difference between server-client and self-contained offline applications, encryption, how websites work, how companies run their business, and much more!

MODULE 01

History of the cloud

How computers work
IT Industry
Network and VPN
IT infrastructure
IT job roles

Computer hardware
Computer software
IT terminology
Operating systems
Virtualization

MODULE 02

IT and the internet

Localhost
Web applications
Web servers
Website anatomy
Web app architectures

DNS basics
Internet security basics
HTTP and HTTPS
Rendering a website
Loading a website

MODULE 03

Welcome to the cloud

Why cloud
Cloud components
Understanding APIs
Benefits of AWS
Job roles

Cloud consulting
Datacenter migration
Variable cost model
Implement elasticity
Amazon S3