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AZUR 0900: Microsoft Azure Fundamentals (AZ-900)

EFFECTIVE DATE

September 2020

DEPARTMENT

Computers - City Centre

DESCRIPTION

In this instructor-led training, you will learn and demonstrate foundational-level knowledge on cloud concepts; core Azure services; security, privacy, compliance, and trust; and Azure pricing and support. Whether you are an individual with a technical or a non-technical background, this course will help you prepare for the Microsoft Certification Exam AZ-900. You will learn about general cloud computing concepts, models, and services, such as Public, Private and Hybrid cloud, and Infrastructure-as-a-Service (IaaS), Platform-as-a-Service(PaaS), and Software-as-a-Service (SaaS). This course primarily uses the Azure portal to create services and does not require scripting skills. With this training you will gain confidence to take other role-based courses and certifications, such as Azure Administrator. A voucher for practice and AZ-900 Certification Exam will be provided to students taking this course in the Fall 2020 term.

CREDITS

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YEAR OF STUDY

Continuing Professional Development

PREREQUISITES

None

COREQUISITES

None

COURSE LEARNING OUTCOMES

Upon successful completion of this course, students will be able to:

- Define cloud computing and its key advantages
- Explain public, private, and hybrid cloud models
- Explain IaaS, PaaS, and SaaS cloud services
- Explain core Azure services, products, solutions, and their usage cases

- Describe security, privacy, policies, compliance, and trust
- Identify core Azure architectural components, pricing, and support
- Identify Azure management, such as Azure PowerShell and the CLI
- Use an Azure subscription, plan and manage costs
- Describe Azure SLAs and service lifecycles

PRIOR LEARNING ASSESSMENT & RECOGNITION (PLAR)

None

HOURS

Lecture: 8

Lab: 8

INSTRUCTIONAL STRATEGIES

GRADING SYSTEM

Satisfactory/Unsatisfactory

PASSING GRADE

Satisfactory 'S' based on 100% attendance.

EVALUATION PLAN

None

COURSE TOPICS

- Benefits and considerations of using cloud services
 - Public, Private and Hybrid cloud
 - Infrastructure-as-a-Service (IaaS), Platform-as-a-Service (PaaS) and Software-as-a-Service (SaaS)
 - Azure architectural components
 - Core products and solutions in Azure
 - Azure management tools
 - Securing network connectivity in Azure
 - Core Azure Identity services
 - Security tools and features of Azure
 - Azure governance methodologies
 - Monitoring and reporting options in Azure
 - Privacy, compliance and data protection standards in Azure
 - Azure subscriptions
 - Planning and management of costs
 - Support options available with Azure
 - Azure Service Level Agreements (SLAs)

LEARNING RESOURCES

None

Notes:

- Course contents and descriptions, offerings and schedules are subject to change without notice.
- Students are required to follow all College policies including ones that govern their educational experience at VCC. Policies are available on the VCC website at:
<https://www.vcc.ca/about/governance--policies/policies/>.
- To find out how this course transfers, visit the BC Transfer Guide at <https://www.bctransferguide.ca>.

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