

CIS CLOUD COMPUTING FOR AMAZON WEB SERVICES (CERTIFICATE M0672)

Business Division

The CIS Cloud Computing for Amazon Web Services certificate program prepares students to design solutions for Infrastructure as a Service (IaaS) architectures by provisioning computing instances, establishing virtual private networks, managing databases and storage within a secure online environment. Students produce dynamic solutions responsive to information and computing technology workloads with on-demand pay-as-you-go pricing allowing flexibility for small business, entrepreneurship and enterprise adoption. Industry certifications are embedded to prepare for occupations in Cloud Architect, Cloud Support Associate, Cloud Engineer or Cloud Technicians. Some preparation in information technology or computer programming is recommended.

Required Courses

Course Prefix	Course Name	Units
CISN 71	Introduction to Cloud Computing	3
CISN 72A	Cloud Computing Database Essentials for Amazon Web Services	3
CISN 73A	Compute Engines in Amazon Web Services	3
CISN 74A	Security in Amazon Web Services	3
Required Electives		3 - 3.5
CISP 21	Programming in Java	
CISP 21L	Programming in Java Laboratory	
Or		
CISP 71	Programming in Python	
CISP 71L	Programming in Python Laboratory	
Or		
CISW 17	HTML, CSS, and JavaScript Programming	
Or		
CISW 21	Secure Web Programming with ASP.NET	
CISW 21L	Secure Web Programming with ASP.NET Laboratory	
Or		
CISW 24	Secure Web Server Programming in Python	
CISW 24L	Secure Web Server Programming in Python Laboratory	
Or		
CISW 31	Secure Web Server Programming in PHP	
CISW 31L	Secure Web Server Programming in PHP Laboratory	
Recommended Electives		
CISB 11	Computer Information Systems	
Total Units		15-15.5