



The Cloud Computing 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.

CERTIFICATE OF ACHIEVEMENT

PROGRAM REQUIREMENTS (CORE)

Required Courses		Units
CIS 170B	Network+ Certification	3.5
CIS 171A	Introduction to Cloud Computing	3.0
CIS 171B	Amazon Web Services-Data Storage	3.0
CIS 171C	Amazon Web Services-Computing Services	3.0
CIS 171D	Amazon Web Services-Security	3.0

ELECTIVES

(Select **one** from the following)

Required Courses		Units
CIS 164	JavaScript Programming	3.5
CIS 181	Python Programming	3.5
CIS 183	Java Programming	3.5

TOTAL CERTIFICATE REQUIREMENTS

19



COMPUTER AND INFORMATION SCIENCE

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