# CIS CLOUD COMPUTING FOR AMAZON WEB SERVICES (CERTIFICATE M0672)

**Business Division**
**Certificate M0672**
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** |

## Program Learning Outcomes

Review Student Learning Outcomes (SLOs) (http://www.mtsac.edu/instruction/outcomes/sloinfo.html) for this program.