# INFORMATION SYSTEMS – CLOUD COMPUTING

*Success Guide*

Associate in Applied Science

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Semester** | **Course Prefix and Number** | **Course Description** | **Credit Hours** | **Area** |
| **1** | CIS 130\* | Introduction to Information Systems | 3 | V |
| ENG 101 | English Composition I | 3 | I |
| CIS 238 | Cloud Computing – Infrastructure and Services (Fall Only) | 3 | V |
| CIS 199 | Network Communications (Fall Only) | 3 | V |
| CIS 171 | Linux I (Fall Only) | 3 | V |
|  | Semester Total | 15 |  |
| **2** | CIS 202 | Python Programming (Spring Only) | 3 | V |
| CIS 251  | C++ Programming (Spring Only) | 3 | V |
| CIS 268 | Software Support (Spring Only) | 3 | V |
| CIS 269 | Hardware Support (Spring Only) | 3 | V |
| SPH 106 orSPH 107 | Fundamentals of Oral Communication or Fundamentals of Public Speaking | 3 | II |
|  | Semester Total | 15 |  |
| **3** | CIS 207  | Introductions to Web Development (Fall Only)  | 3 | V |
| CIS 222 | Database Management (Fall Only) | 3 | V |
| CIS 256  | Advanced Java Programming (Fall Only)  | 3 | V |
| BUS 215 | Business Communications | 3 | V |
| MTH 100 | Intermediate Algebra or higher-level math | 3 | III |
|  | Semester Total | 15 |  |
| **4** | CIS 246  | Ethical Hacking (Spring Only)  | 3 | V |
| CIS 237 | Virtual Infrastructure: Installation and Configuration (Spring Only)  | 3 | V |
| ECO 231 orECO 232 | Principles of Macroeconomics or Principles of Microeconomics | 3 | IV |
| ART 100 orMUS 101 orTHR 120 | Art Appreciation or Music Appreciation or Theater Appreciation | 3 | II |
| BIO 101 | Biology I or other natural science | 4 | III |
|  | Semester Total | 16 |  |
|  | Total Hours | 61 |  |
|  |
|  | **Information Systems Certificate** **Cloud Computing – 45 Credit Hours** |

NOTE: Classes may be taken in any semester if prerequisites are met.

\*CIS 130 may be challenged.

Catalog 2024-2025

Updated 06/07/2024

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# INFORMATION SYSTEMS COMPUTER AND NETWORK SUPPORT

CTE Short-Term Certificate

|  |  |  |  |
| --- | --- | --- | --- |
| **Course Prefix and Number** | **Course Description** | **Credit Hours** | **Area** |
| CIS 130\* or CIS 146 | Introduction to Information Systems or Microcomputer Applications | 3 | V |
| CIS 199 | Network Communications (Fall Only) | 3 | V |
| CIS 246 | Ethical Hacking (Spring Only) | 3 | V |
| CIS 251 | C++ Programming (Spring Only) | 3 | V |
| CIS 256 | Advanced Java Programming (Fall Only) | 3 | V |
| CIS 268 | Software Support (Spring Only) | 3 | V |
| CIS 269 | Hardware Support (Spring Only) | 3 | V |
| CIS 277 | Network Services Administration (Spring Only) | 3 | V |
|  | Total Hours | 24 |  |

# INFORMATION SYSTEMS HARDWARE AND SOFTWARE SUPPORT

CTE Short-Term Certificate

|  |  |  |  |
| --- | --- | --- | --- |
| **Course Prefix and Number** | **Course Description** | **Credit Hours** | **Area** |
| CIS 130\* or CIS 146 | Introduction to Information Systems or Microcomputer Applications | 3 | V |
| CIS 268 | Software Support (Spring Only) | 3 | V |
| CIS 269 | Hardware Support (Spring Only) | 3 | V |
|  | Total Hours | 9 |  |

NOTE: Classes may be taken in any semester if prerequisites are met. Catalog 2024-2025

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