**Curriculum Comparison Chart (Degree)**

*Create a table with a side by side comparison of each course (or category of course) required by the degree curriculum.*

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| --- | --- | --- | --- | --- |
| **Name of Degree:** | | | | |
|  | **Central Arizona College** | **Cochise Community College** | **Pima Community College** | **Mesa Community College** |
| **General Education/Degree Requirements** | **General Education/Degree Requirements**  **ENG101 English Composition III or ENG121 Applied Technical Writing**  **Oral Communications**  **Arts and Humanities**  **ECN201 Principles of Macroeconomics or ECN202 Principles of Microeconomics**  **Physical and Biological Sciences**  **BUS101 Business Mathematics AND MAT121 Intermediate Algebra** | **General Education/Degree Requirements**  **ENG101 Composition**  **ENG102 English Composition**  **2 Gen Ed – Liberal Arts courses**  **MAT142 College Mathematics or higher** | **General Education/Degree Requirements**  **Humanities and Social Science Requirement**  **ACC211 Financial Accounting**  **ECN201 Microeconomic Principles**  **MAT172 Finite Mathematics**  **WRT101 Writing I**  **WRT102 Writing II**  **Laboratory Science** | **General Education/Degree Requirements**  **ECN211 Macroeconomic Principles OR ECN212 Microeconomic Principles OR SBU200 Society and Business**  **ENG101 First-Year Composition**  **MAT150, MAT151 or MAT152 College Algebra/Functions**  **ACC111 Accounting Principles I**  **ENG102 First-Year Composition**  **Oral Communications**  **Humanities and Fine Arts**  **Natural Sciences** |
| *If program uses institutional level AGEC-A, AGEC-B, AGEC-S, or AAS general education requirements please indicate appropriately. Also indicate if the program uses the A.A., A.S., A.Bus, or A.A.S. degree requirements.* | **Associates of Applied Science Degree** | **Associates of Applied Science Degree** | **Associates of Applied Science Degree** | **Associates of Applied Science Degree** |
| **Program Requirements** | **Program Requirements** | **Program Requirements** | **Program Requirements** | **Program Requirements** |
| *Individually list all other course requirements of the program. Indicate course number and name. Include any specifically required courses, even if the student can apply the course to general education.* | **BUS100 Introduction to Business** | **CIS120 Introduction to Information Systems** | **CIS129 Programming and Problem Solving I** | **CIS105 Survey of Computer Information Systems** |
| **BUS207 Business Communications** | **CIS128 Linux Operating System or CIS236 Microsoft Operating System** | **CIS131 Programming and Problem Solving II** | **CIS150 Programming Fundamentals or CIS150AB Object-Oriented Programming Fundamentals** |
| **CIS112 Web Page Design Fundamentals** | **CIS130 Programming Logic** | **CIS141 Introduction to VB.NET** | **CIS126DA UNIX Operations System OR CIS126DL Linux Operating System OR MAST150 Microsoft Windows Professional** |
| **CIS120 Survey of Computer Information Systems** | **CIS140 Introduction to Operating Systems** | **CIS162 Database Design and Development** | **CIS166 Web Scripting/Programming or CIS166AA Introduction to JavaScripting or CIS166AB Web Scripting with Perl/CGI or CIS166AC Web Scripting with Active Server Pages .NET or CIS166AD Web Scripting with Java Server Pages or CIS166AE Web Scripting with PHP** |
| **CIS121 Microcomputer Operating System Fundamentals** | **CIS150 Essentials of Networking** | **CIS182 Introduction to ANSISQL** | **CIS166AF Web Scripting with Python** |
| **CIS123 Introduction to Programming** | **CIS160 Introduction to Information Security** | **CIS250 Introduction to Assembly Language** | **CIS224 Project Management Microsoft Project for Windows** |
| **CIS150 Windows Server** | **CIS164 Introduction to Scripting Using Python** | **CIS265 The C Progamming Language** | **CIS190 Introduction to Local Area Networks or CNT140 Cisco Networking Basics or MST140 Microsoft Networking Essentials** |
| **CIS181 C#.Net** | **CIS179 Applied Technical Writing** | **CIS269 Data Structures** | **CIS225 Business Systems Analysis and Design OR CIS225AB Object Oriented Analysis and Design OR CIS250 Management of Information Systems** |
| **CIS214 Application Development in Excel** | **CIS181 Computer Applications** | **CIS278 C++ and Object Oriented Programming Or CIS279 Java Programming** | **CIS217AM Advanced Microsoft Access: Database Management OR CIS119DO Introduction to Oracle:SQL OR CIS276DA My SQL Database** |
| **CIS216 Java Progamming** | **CIS185 Internet Essentials** | **CIS280 Systems Analysis and Design: Concepts and Tools** | **2 of the following:**  **CIS 151 Computer Game Development – Level I OR CIS159 Visual Basic Programming I OR CIS162 C Programming Level I OR CIS162AB C++ Level I OR CIS162AC Visual C++ Level I OR CIS162AD C# Level I OR CIS163AA Java Programming Level I OR GBS233 Business Communication** |
| **CIS217 Application Development in Access** | **CIS217 Introduction to Visual C#.NET Programming** | **CIS281 Systems Analysis and Design: Applications** | **CIS 251 Computer Game Development – Level II OR CIS259 Visual Basic Programming II OR CIS262 C Programming Level II OR CIS262AB C++ Level II OR CIS262AC Visual C++ Level II OR CIS262AD C# Level II OR CIS263AA Java Programming Level II** |
| **CIS218 C++ Programming** | **CIS248 Pearl Scripting** | **CIS 219 Introduction to Virtual Computing Or CIS221 Microsoft Windows Server Or CIS225 Linux (UNIX) System and Network Administration Or CIS241 Advanced Visual Basic.NET Programming** |  |
| **CIS233 Web Application Development using PHP** | **CIS250 Database Management** |  |  |
|  | **CIS270 System Analysis** |  |  |
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|  |  |  |  |
| **Total Credits: 65** | **Total Credits: 64** | **Total Credits: 68-69** | **Total Credits: 64 - 67** |