**Computer Information Systems (Starting Fall 2023)**

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| --- | --- | --- | --- | --- | --- |
|  | **Course #** | **Course Name** | | | **Hours** |
| Semester 1 | ORI 105 | New Student Orientation | | | 3 |
|  | CIS 130 | Intro to Computer Information Systems | | | 3 |
|  | CIS 146 | Computer Applications | | | 3 |
|  | CIS 150 | Computer Logic & Programming | | | 3 |
|  | ENG 101 | English Composition I | | | 3 |
|  |  | *Total Credits* | | | *15* |
|  |  |  | | |  |
| Semester 2 | CIS 147 | Advanced Computer Applications | | | 3 |
|  | CIS 215 | C# Programming | | | 3 |
|  | CIS 276 | Server Administration | | | 3 |
|  | MTH 100 | Intermediate College Algebra | | | 3 |
|  | ENG 102 | English Composition II | | | 3 |
|  |  | *Total Credits* | | | *15* |
|  |  |  | | |  |
| Semester 3 |  | Science Option | | | 4 |
| (summer) | ECO 231/232 | Economics | | | 3 |
|  |  | *Total Credits* | | | 7 |
| Semester 4 | **Program Options** | | | |  |
|  | **Programming** | **Cybersecurity** | **Networking** | **Management Information Sys.** |  |
|  | CIS 157 – Intro to App Dev with Swift | CIS 245 – Cyber Defense | CIS 270 – CISCO CCNA I | CIS 264 – Business Applications | 3 |
|  | CIS 212 – Visual Basic Programming | CIS 246 – Ethical Hacking | CIS 271 – CISCO CCNA II | BUS 241 – Principles of Acct. I | 3 |
|  | CIS 264 – Business Applications | CIS 278 – Directory Services Admin. | CIS 278 – Directory Services Admin. | BUS 100 - Introduction to Bus. | 3 |
|  |  | Humanities Option | | | 3 |
|  |  |  | *Total Hours* | | *12* |
|  |  |  |  | |  |
| Semester 5 | **Programming** | **Cybersecurity** | **Networking** | **Mgmt. Info. Sys.** |  |
|  | CIS 220 – App Dev with Swift I | CIS 280 – Network Security | CIS 272 – CISCO CCNA III | CIS 287 – SQL Server | 3 |
|  | CIS 227 – App Dev with Swift II | CIS 282 – Computer Forensics | CIS 287 – SQL Server | BUS 242 – Principles of Accounting II |  |
|  | CIS 287 – SQL Server | CIS 287 – SQL Server | CIS 280 – Network Security | BUS 275 – Principles of Management | 3 |
|  | CIS 202 – Python Programming | CIS 238 - Cloud Computing: Infrastructure and Services | CIS 238 - Cloud Computing: Infrastructure and Services | BUS 271 – Business Statistics I | 3 |
|  | CIS 284 – CIS Internship | CIS 284 – CIS Internship | CIS 284 – CIS Internship | BUS 263 – The Legal and Social Env. of Bus. | *3* |
|  |  |  | *Total Hours* | | *15* |
|  |  |  |  | |  |
|  |  |  | ***Computer Information Systems, AAS*** | | **64** |
|  |  |  |  | |  |

**For more information about Bishop State’s Computer Information Systems program, please contact   
Cecil Turk at** [**cturk@bishop.edu**](mailto:cturk@bishop.edu) **or 251-405-7211**

**CIS – Short Certificates (Starting Fall 2023)**

**Programming**

* CIS150 - Computer Logic & Programming
* CIS157 - Intro to App Dev with Swift
* CIS202 - Python Programming
* CIS220 - App Dev with Swift I
* CIS212 - Visual Basic Programming

**Cybersecurity**

* CIS245 - Cyber Defense
* CIS246 - Ethical Hacking
* CIS276 - Server Administration
* CIS280 - Network Security
* CIS282 - Computer Forensics

**Networking**

* CIS270 - CISCO CCNA I
* CIS271 - CISCO CCNA II
* CIS272 - CISCO CCNA III
* CIS276 - Server Administration
* CIS278 - Directory Services Admin.

Students selecting the Management Information Systems program track will receive a Management and Supervision short certificate.

**Changes:**

Reduce CIS AAS degree to 61-64 hours from 67 hours. Students may take any courses within the program options section. The Program Options are just a guide.

Change introduction course form CIS 149 to CIS 130.

* We previously taught CIS 130 which is Code B instead of C so schools will accept in Area 5.
* The state is revamping CIS 149. It will now be a digital literacy course which is more suited for a beginning student and not a CIS student.

Remove the following courses from degree plan due to low enrollment and low industry demand.

* CIS 149 (mentioned above)
* CIS 155 – Intro to Mobile App Development (main concepts will still be covered in CIS 157)
* CIS 219 – Android App Development
* CIS 259 – Advanced Mobile App Development
* CIS 273 – CISCO CCNA IV (This course is no longer offered by CISCO and that state has instructed us to quit offering it)

Add the following courses to the current curriculum.

* CIS 130 (mentioned above)
* CIS 264 – Business Applications (This course will teach Business Analytics to include Microsoft Power BI which has been requested by our advisory board for the past year.)
* CIS 202 – Python Programming (In-demand programming language)
* CIS 238 – Cloud Computing: Infrastructure and Services (In-demand job skill)
* CIS 284 – CIS Internship (Hands-on experience for our students)