

**CALIFORNIA UNIVERSITY  
OF PENNSYLVANIA**

Program: BS Computer Information Systems

Start: Spring 2017 Start ONLY

Total Credits: 120

**Year 1**

|   | Credits   |
|---|-----------|
| <b>Spring I</b>   |           |
| CIS 110 Introduction to Information Systems (1st 8 weeks) | 3         |
| CIS 120 Application Programming I (1st 8 weeks)           | 3         |
| CIS 220 Application Programming II (2nd 8 weeks)          | 3         |
| CIS 299 Systems Analysis I (2nd 8 weeks)                  | 3         |
| General Education/Math/Electives (as needed)              | 3         |
|   | 15        |
| <b>Summer I</b>   |           |
| CIS 341 CISCO CCNA 1 (1st 8 weeks)                        | 3         |
| General Education/Math/Electives (as needed)              | 12        |
|   | 15        |
| <b>Fall I</b>   |           |
| CIS 322 Database Application Development (2nd 8 weeks)    | 3         |
| CIS 330 Web Programming I                                 | 3         |
| CIS 354 Systems Project Management                        | 3         |
| General Education/Math/Electives (as needed)              | 6         |
|   | 15        |
| <b>Total Credits (Year 1)</b>                             | <b>45</b> |

**Year 2**

|   |           |
|---|-----------|
| <b>Spring II</b>  |           |
| CIS 304 COBOL (1st 8 weeks)   | 3         |
| CIS 332 Web Programming II  | 3         |
| CIS 490 Systems Analysis II   | 3         |
| CIS 352 Global, Economic and Social Ethical Issues in Computing (2nd 8 weeks) | 3         |
| General Education/Math/Electives (as needed)                                  | 3         |
|   | 15        |
| <b>Summer II</b>  |           |
| General Education/Math/Electives (as needed)                                  | 15        |
|   | 15        |
| <b>Fall II</b>  |           |
| CIS 302 Visual Programming  | 3         |
| CIS 401 Concepts in Enterprise Resource Planning (1st 8 weeks)                | 3         |
| CIS 325 Decision Support Systems (2nd 8 weeks)                                | 3         |
| CIS 492 Systems Development and Implementation                                | 3         |
| General Education/Math/Electives (as needed)                                  | 3         |
|   | 15        |
| <b>Total Credits (Year 2)</b>   | <b>45</b> |

**Year 3**

|   |            |
|---|------------|
| <b>Spring III</b>                             |            |
| CIS 321 Data Base Management Systems & Design | 3          |
| General Education/Math/Electives (as needed)  | 12         |
|   | 15         |
| <b>Summer III</b>                             |            |
| General Education/Math/Electives (as needed)  | 15         |
|   | 15         |
| <b>Total Credits (Year 3)</b>                 | <b>30</b>  |
| <b>Total Credits</b>                          | <b>120</b> |