



## BACHELOR OF SCIENCE IN COMPUTER INFORMATION SCIENCE

### FRESHMAN – FALL SEMESTER

|                    |                                  |    |
|--------------------|----------------------------------|----|
| CIS 1144           | Computer Science I               | 4  |
| MAT 1143           | College Algebra                  | 3  |
| UNI 1111           | University Seminar               | 1  |
| CIS 1033           | Foundations of Computer Science  | 3  |
|                    | Gen Ed or Graduation Requirement | 3  |
|                    | Gen Ed or Graduation Requirement | 2  |
| <i>Total hours</i> |                                  | 16 |

### FRESHMAN – SPRING SEMESTER

|                    |                                  |    |
|--------------------|----------------------------------|----|
| CIS 1154           | Computer Science II              | 4  |
| CIS 2213           | Systems Analysis and Design      | 3  |
| MAT 1173           | Discrete Mathematics             | 3  |
| UNI 1121           | Critical Thinking                | 1  |
|                    | Gen Ed or Graduation Requirement | 3  |
|                    | Gen Ed or Graduation Requirement | 2  |
| <i>Total hours</i> |                                  | 16 |

### SOPHOMORE – FALL SEMESTER

|                    |                               |    |
|--------------------|-------------------------------|----|
| CIS 1163           | Introduction to Cybersecurity | 3  |
| ACC 2013           | Financial Accounting          | 3  |
| BUS 2023           | Business Statistics           | 3  |
| ECO 2023           | Microeconomics                | 3  |
|                    | Gen Ed science with lab       | 4  |
| <i>Total hours</i> |                               | 16 |

### SOPHOMORE – SPRING SEMESTER

|                    |                         |    |
|--------------------|-------------------------|----|
| CIS 3323           | Database Management     | 3  |
| ACC 2023           | Managerial Accounting   | 3  |
| BUS 2013           | Business Communications | 3  |
| ECO 2033           | Macroeconomics          | 3  |
|                    | Gen Ed science with lab | 4  |
| <i>Total hours</i> |                         | 16 |

### JUNIOR – FALL SEMESTER

|                    |                                    |    |
|--------------------|------------------------------------|----|
| CIS 3313           | Advanced Systems Analysis & Design | 3  |
| CIS 3333           | Algorithms and Data Structures     | 3  |
| FIN 3053           | Business Finance                   | 3  |
| MGT 3013           | Principles of Management           | 3  |
|                    | Gen Ed or CIS elective             | 3  |
|                    | Gen Ed or Graduation Requirement   | 2  |
| <i>Total hours</i> |                                    | 17 |

### JUNIOR – SPRING SEMESTER

|                    |                                     |    |
|--------------------|-------------------------------------|----|
| CIS 2013           | Networks                            | 3  |
| CIS 3303           | Systems Management                  | 3  |
| LDR 4043           | Ethics and Professional Development | 3  |
| MKT 3023           | Principles of Marketing             | 3  |
|                    | Gen Ed or CIS elective              | 3  |
| <i>Total hours</i> |                                     | 15 |

### SENIOR – FALL SEMESTER

|                    |                                  |    |
|--------------------|----------------------------------|----|
| CIS 4462           | Applied Software Engineering I   | 2  |
| CIS 3413           | Machine Organization             | 3  |
| BUS 3073           | Legal Environment of Business    | 3  |
| MGT 3033           | Operations Management            | 3  |
|                    | Gen Ed or Graduation Requirement | 3  |
|                    | Gen Ed or Graduation Requirement | 3  |
| <i>Total hours</i> |                                  | 17 |

### SENIOR – SPRING SEMESTER

|                    |                                  |    |
|--------------------|----------------------------------|----|
| CIS 4472           | Applied Software Engineering II  | 2  |
| MGT 4083           | Management Strategy and Policy   | 3  |
|                    | Gen Ed or CIS elective           | 3  |
|                    | Gen Ed or Graduation Requirement | 3  |
|                    | Gen Ed or Graduation Requirement | 3  |
|                    | Gen Ed or Graduation Requirement | 3  |
| <i>Total hours</i> |                                  | 17 |

*THIS IS A PROPOSED GUIDELINE.* Please check the catalog and see your advisor for your final degree requirements.

Southwest Baptist University reserves the right to make changes to degree plans without advanced notice or obligation.

The student is responsible for understanding and completing all general education, degree, departmental and graduation requirements.