

# Southwest Baptist University

BOLIVAR, MO | EST. 1878

## 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 Grad Req              | 4         |
|                    | Gen Ed or Grad Req              | 3         |
| <i>Total hours</i> |                                 | <i>18</i> |

### FRESHMAN – SPRING SEMESTER

|                    |                             |           |
|--------------------|-----------------------------|-----------|
| CIS 2213           | Systems Analysis and Design | 3         |
| CIS 1001           | Computer Science Seminar    | 1         |
| MAT 1173           | Discrete Mathematics        | 3         |
| UNI 1121           | Critical Thinking           | 1         |
|                    | Gen Ed or Grad Req          | 4         |
|                    | Gen Ed or Grad Req          | 3         |
| <i>Total hours</i> |                             | <i>15</i> |

### SOPHOMORE – FALL SEMESTER

|                    |                          |           |
|--------------------|--------------------------|-----------|
| CIS 1154           | Computer Science II      | 4         |
| ACC 2013           | Financial Accounting     | 3         |
| BUS 2013           | Business Communications  | 3         |
| MGT 3013           | Principles of Management | 3         |
|                    | Gen Ed or Grad Req       | 4         |
| <i>Total hours</i> |                          | <i>17</i> |

### SOPHOMORE – SPRING SEMESTER

|                    |                              |           |
|--------------------|------------------------------|-----------|
| CIS 3333           | Algorithms & Data Structures | 3         |
| ACC 2023           | Managerial Accounting        | 3         |
| MKT 3023           | Principles of Marketing      | 3         |
|                    | Gen Ed or Grad Req           | 4         |
|                    | Gen Ed or Grad Req           | 3         |
| <i>Total hours</i> |                              | <i>16</i> |

### JUNIOR – FALL SEMESTER

|                    |                                      |           |
|--------------------|--------------------------------------|-----------|
| CIS 2253           | Web Engineering and Development      | 3         |
| BUS 3073           | Legal Environment of Business        | 3         |
| CIS 3313           | Advanced Systems Analysis and Design | 3         |
| ECO 2023           | Microeconomics                       | 3         |
|                    | Gen Ed or Grad Req                   | 3         |
|                    | Gen Ed or Grad Req                   | 2         |
| <i>Total hours</i> |                                      | <i>17</i> |

### JUNIOR – SPRING SEMESTER

|                    |                       |           |
|--------------------|-----------------------|-----------|
| CIS 3323           | Database Management   | 3         |
|                    | CIS Elective          | 3         |
| MGT 3033           | Operations Management | 3         |
| ECO 2033           | Macroeconomics        | 3         |
|                    | Gen Ed or Grad Req    | 3         |
|                    | Gen Ed or Grad Req    | 2         |
| <i>Total hours</i> |                       | <i>17</i> |

### SENIOR – FALL SEMESTER

|                    |                                |           |
|--------------------|--------------------------------|-----------|
| CIS 4462           | Applied Software Engineering I | 2         |
| CIS 3303           | Systems Management             | 3         |
| BUS 2023           | Statistical Analysis           | 3         |
| FIN 3053           | Business Finance               | 3         |
| CIS 3413           | Machine Organization           | 3         |
|                    | Gen Ed or Grad Req             | 3         |
| <i>Total hours</i> |                                | <i>17</i> |

### SENIOR – SPRING SEMESTER

|                    |                                     |           |
|--------------------|-------------------------------------|-----------|
| CIS 4472           | Applied Software Engineering II     | 2         |
| CIS 4443           | Networks                            | 3         |
| LDR 4043           | Ethics and Professional Development | 3         |
| MGT 4083           | Management Strategy and Policy      | 3         |
|                    | Gen Ed or Grad Req                  | 3         |
|                    | Gen Ed or Grad Req                  | 3         |
| <i>Total hours</i> |                                     | <i>17</i> |

*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.