9-18

## INFORMATION SYSTEMS (B.S.) - DATA NETWORKING -ONLINE

**Important:** This degree plan is effective for those starting this degree program in fall 2025 through summer 2026. This degree plan will remain in effect for students who do not break enrollment or who do not change degree programs, concentrations, or cognates.

## **General Education/Foundational Skills Requirements**

| Code  | Title   | Hours |  |
|---|---|-------|--|
| Communication & Information Literacy <sup>1</sup> |   |       |  |
| ENGL 101  | Composition and Rhetoric                                      | 3     |  |
| Communications                                    | s Elective  | 3     |  |
| Information Liter                                 | racy Elective   | 3     |  |
| Information Literacy Elective                     |   | 3     |  |
| Technological So                                  | Technological Solutions & Quantitative Reasoning <sup>1</sup> |       |  |
| UNIV 104  | Instructional Technology for Successful Online<br>Learning    | 0-3   |  |
| Math Elective                                     | MATH 114 or higher  | 3     |  |
| Critical Thinking <sup>1</sup>                    |   |       |  |
| RLGN 104  | Christian Life and Biblical Worldview <sup>2</sup>            | 4     |  |
| Critical Thinking Elective                        |   | 3     |  |
| Civic & Global Engagement <sup>1</sup>            |   |       |  |
| Cultural Studies Elective                         |   |       |  |
| Social & Scientific Inquiry <sup>1</sup>          |   |       |  |
| Natural Science Elective                          |   | 3     |  |
| Social Science E                                  |   | 3     |  |
| Christianity & Contexts <sup>1</sup>              |   |       |  |
| BIBL 104  | Survey of Old and New Testament                               | 4     |  |
| THEO 104  | Introduction to Theology Survey <sup>2</sup>                  | 4     |  |
| Total Hours                                       |   | 39-42 |  |

Refer to the list of approved general education electives before enrolling in foundational skill requirements

## **Major Requirements**

| Code             | Title  | Hours |
|------------------|--|-------|
| Major Foundation | al Courses   |       |
| BUSI 201         | Intermediate Business Computer Applications <sup>1</sup> | 3     |
| BUSI 230         | Introduction to Probability and Statistics <sup>1</sup>  | 3     |
| BUSI 240         | Organizational Behavior and Management <sup>1</sup>      | 3     |
| Total Hours      |  | 9     |

<sup>&</sup>lt;sup>1</sup> Course may fulfill select general education requirements

| Code<br>Major Core | Title  | Hours |
|--------------------|--|-------|
| ACCT 211           | Financial Principles                             | 3     |
| ACCT 212           | Managerial Principles                            | 3     |
| BUSI 301           | Legal and Ethical Concepts for Decision Makers   | 3     |
| BUSI 310           | Principles of Management                         | 3     |
| CSIS 100           | Introduction to Information Sciences and System  | ns 3  |
| CSIS 110           | Introduction to Computer Science                 | 3     |
| CSIS 208           | Application Programming                          | 3     |
| CSIS 310           | Web Programming                                  | 3     |
| CSIS 320           | IS Hardware and Software                         | 3     |
| CSIS 325           | Database Management Systems                      | 3     |
| CSIS 330           | Business Data Communication Systems              | 3     |
| CSIS 340           | Studies in Information Security                  | 3     |
| CSIS 351           | System Analysis and Design                       | 3     |
| CSIS 473           | IS Project Management                            | 3     |
| CSIS 483           | Information Systems Capstone                     | 3     |
| ECON 214           | Principles of Macroeconomics                     | 3     |
| Total Hours        |  | 48    |
| Code<br>Cognate    | Title  | Hours |
| CSIS 331           | Networks   | 3     |
| CSIS 335           | Network Security                                 | 3     |
| CSIS 430           | Advanced Networking and Communication<br>Systems | 3     |
| CSIS 341           | Information Security Planning                    | 3     |
| or CSIS 499        | Internship                                       |       |
| Total Hours        |  | 12    |
| Code               | Title  | Hours |
| Free Electives     |  |       |
| Choose 9-18 cred   | it hours of Free Electives <sup>1</sup>          | 9-18  |

<sup>&</sup>lt;sup>1</sup> Internship (maximum 6 hours) is strongly recommended

All applicable prerequisites must be met

## **Graduation Requirements**

· 120 Total hours

**Total Hours** 

- 2.0 Overall grade point average
- 30 Hours must be upper-level courses (300-400 level)
- Grade of 'C' Minimum required for all upper-level courses in the major
- 25% Of major and cognate taken through Liberty University
- · 30 Hours must be completed through Liberty University
- Grad App Submission of Degree Completion Application must be completed within the last semester of a student's anticipated graduation date

Students transferring in 45 or more UG credit hours will have the requirement of RLGN 104 waived; Students transferring in 60 or more UG credit hours will also have the requirement of THEO 104 waived

| Course         Title         Hours           First Year         First Semester         4           BIBL 104         Survey of Old and New Testament         4           ENGL 101         Composition and Rhetoric         3           UNIV 104         Instructional Technology for Successful Online Learning         0-3           Social Science Elective (BUSI 240) ¹         3           CSIS 100         Introduction to Information Systems and Information Technology         3           Hours         13-16           Second Semester         3           BUSI 201         Intermediate Business Computer Applications           Communications Elective ¹         3           Information Literacy Elective ¹         3           Math Elective (BUSI 230) ¹         3           CSIS 110         Introduction to Computer Science         3           Hours         15           Second Year         15           First Semester         15           Information Literacy Elective ¹         3           THEO 104         Introduction to Theology Survey         4           ACCT 211         Financial Principles         3           SES 330         Business Data Communication Systems         3           Elective  | Course Sequence   |                                       |       |  |
|--|-------------------|---------------------------------------|-------|--|
| First Year           First Semester         BIBL 104         Survey of Old and New Testament         4           ENCL 101         Composition and Rhetoric         3           UNIV 104         Instructional Technology for Successful Online Learning         0-3           Social Science Elective (BUSI 240) ¹         3           CSIS 100         Introduction to Information Systems and Information Technology         3           Hours         13-16           Second Semester         3           BUSI 201         Intermediate Business Computer Applications         3           Communications Elective ¹         3           Information Literacy Elective ¹         3           Math Elective (BUSI 230) ¹         3           SSI 110         Introduction to Computer Science         3           Information Literacy Elective ¹         3           Information Literacy Elective ¹         3           THEO 104         Introduction to Theology Survey         4           ACCT 211         Financial Principles         3           CSIS 330         Business Data Communication Systems         3           Elective         4         4           Critical Thinking Elective ¹         3           ACCT 212         Managerial Pri  |                   | •                                     | Hours |  |
| BIBL 104         Survey of Old and New Testament         4           ENGL 101         Composition and Rhetoric         3           UNIV 104         Instructional Technology for Successful Online Learning         0-3           Social Science Elective (BUSI 240) 1         3           CSIS 100         Introduction to Information Systems and Information Technology         3           Hours         13-16           Second Semester           BUSI 201         Intermediate Business Computer Applications           Communications Elective 1         3           Information Literacy Elective 1         3           Information Literacy Elective 1         3           Second Year         15           Second Year           First Semester           Information Literacy Elective 1         3           THEO 104         Introduction to Theology Survey         4           ACCT 211         Financial Principles         3           CSIS 330         Business Data Communication Systems         3           Elective         3         16           Accord Semester           RLGN 104         Christian Life and Biblical Worldview         4           Critical Thinking Elective 1         3 <th></th> <th></th> <th></th>  |                   |                                       |       |  |
| ENGL 101         Composition and Rhetoric         3           UNIV 104         Instructional Technology for Successful Online Learning         0-3           Social Science Elective (BUSI 240) 1         3           CSIS 100         Introduction to Information Systems and Information Technology         3           Hours         13-16           Second Semester           BUSI 201         Intermediate Business Computer Applications         3           Communications Elective 1 Applications         3           Communication Literacy Elective 1 Application to Computer Science         3           Hours         15           Second Year         5           First Semester           Information Literacy Elective 1 Application Programming         3           CSIS 330         Business Data Communication Systems         3           Elective         3           Hours         16           Second Semester         8           RLGN 104         Christian Life and Biblical Worldview         4           Critical Thinking Elective 1 Application Pr   | First Semester    |                                       |       |  |
| ENGL 101         Composition and Rhetoric         3           UNIV 104         Instructional Technology for Successful Online Learning         0-3           Social Science Elective (BUSI 240) 1         3           CSIS 100         Introduction to Information Systems and Information Technology         3           Hours         13-16           Second Semester           BUSI 201         Intermediate Business Computer Applications         3           Communications Elective 1 Applications         3           Communication Literacy Elective 1 Application to Computer Science         3           Hours         15           Second Year         5           First Semester           Information Literacy Elective 1 Application Programming         3           CSIS 330         Business Data Communication Systems         3           Elective         3           Hours         16           Second Semester         8           RLGN 104         Christian Life and Biblical Worldview         4           Critical Thinking Elective 1 Application Pr   | BIBL 104          | Survey of Old and New Testament       | 4     |  |
| Online Learning  | ENGL 101          |                                       | 3     |  |
| Online Learning  | UNIV 104          | ·                                     | 0-3   |  |
| Introduction to Information Systems and Information Technology   |                   |                                       |       |  |
| Information Technology   | Social Science E  | lective (BUSI 240) <sup>1</sup>       | 3     |  |
| Second Semester  BUSI 201 Intermediate Business Computer Applications  Communications Elective 1 3 Information Literacy Elective 1 3 Math Elective (BUSI 230) 1 3 CSIS 110 Introduction to Computer Science 3 Hours 15 Second Year  First Semester Information Literacy Elective 1 1 THEO 104 Introduction to Theology Survey 4 ACCT 211 Financial Principles 3 CSIS 330 Business Data Communication Systems 3 Elective 3 Hours 16 Second Semester  RLGN 104 Christian Life and Biblical Worldview 4 Critical Thinking Elective 1 3 ACCT 212 Managerial Principles 3 ACCT 212 Managerial Principles 3 CSIS 208 Application Programming 3 CSIS 340 Studies in Information Security 3 Hours 16 Third Year  First Semester  Cultural Studies Elective 1 3 CSIS 310 Web Programming 3 CSIS 331 Networks 3 Elective 3  Hours 15 Second Semester  Valural Science Elective 1 3 CSIS 331 Networks 3 Elective 3  Hours 15 Second Semester  Natural Science Elective 1 3 CSIS 330 IS Hardware and Software 3 CSIS 335 Network Security 3 CSIS 335 Network Security 3 CSIS 335 System Analysis and Design 3 ECON 214 Principles of Macroeconomics 3  | CSIS 100          | •                                     | 3     |  |
| BUSI 201 Intermediate Business Computer Applications  Communications Elective 1 3 Information Literacy Elective 1 3 Math Elective (BUSI 230) 1 3 CSIS 110 Introduction to Computer Science 3 Hours 15 Second Year First Semester Information Literacy Elective 1 3 THEO 104 Introduction to Theology Survey 4 ACCT 211 Financial Principles 3 CSIS 330 Business Data Communication Systems Elective 4 Hours 16 Second Semester RLGN 104 Christian Life and Biblical Worldview 4 Critical Thinking Elective 1 3 ACCT 212 Managerial Principles 3 CSIS 208 Application Programming 3 CSIS 340 Studies in Information Security 3 Hours 16 Third Year First Semester Cultural Studies Elective 1 3 CSIS 310 Web Programming 3 CSIS 331 Networks Elective 3 Second Semester Cultural Studies Elective 1 3 Second Semester Natural Science Elective 1 3 Second Se   |                   | Hours                                 | 13-16 |  |
| Applications  Communications Elective 1 3 Information Literacy Elective 1 3 Math Elective (BUSI 230) 1 3 CSIS 110 Introduction to Computer Science 3 Hours 15  Second Year  First Semester Information Literacy Elective 1 3 THEO 104 Introduction to Theology Survey 4 ACCT 211 Financial Principles 3 CSIS 330 Business Data Communication Systems 16 Second Semester  RLGN 104 Christian Life and Biblical Worldview 4 Critical Thinking Elective 1 3 ACCT 212 Managerial Principles 3 ACCT 212 Managerial Principles 3 CSIS 208 Application Programming 3 CSIS 208 Application Programming 3 CSIS 340 Studies in Information Security 3 Hours 16 Third Year First Semester Cultural Studies Elective 1 3 CSIS 310 Web Programming 3 CSIS 325 Database Management Systems 3 CSIS 331 Networks 3 Elective 3 Hours 15 Second Semester Natural Science Elective 1 3 CSIS 320 IS Hardware and Software 3 CSIS 335 Network Security 3 CSIS 335 System Analysis and Design 3 ECON 214 Principles of Macroeconomics 3  | Second Semeste    | r                                     |       |  |
| Information Literacy Elective   3   Math Elective (BUSI 230)   3   3   CSIS 110   Introduction to Computer Science   3   Hours   15   Second Year  |                   | Applications                          | 3     |  |
| Math Elective (BUSI 230) 1         3           CSIS 110         Introduction to Computer Science         3           Hours         15           Second Year           First Semester           Information Literacy Elective 1         3           THEO 104         Introduction to Theology Survey         4           ACCT 211         Financial Principles         3           CSIS 330         Business Data Communication Systems         3           Elective         3           Hours         16           Second Semester           RLGN 104         Christian Life and Biblical Worldview         4           Critical Thinking Elective 1         3           ACCT 212         Managerial Principles         3           CSIS 208         Application Programming         3           CSIS 340         Studies in Information Security         3           Third Year           First Semester           Cultural Studies Elective 1         3           CSIS 331         Networks           Business Data Communication Systems           CSIS 331         Net   |                   |                                       | 3     |  |
| CSIS 110   |                   |                                       | 3     |  |
| Hours  Second Year  First Semester  Information Literacy Elective <sup>1</sup> 31  THEO 104 Introduction to Theology Survey  42  ACCT 211 Financial Principles  CSIS 330 Business Data Communication Systems  Elective  33  Hours  16  Second Semester  RLGN 104 Christian Life and Biblical Worldview  42  Critical Thinking Elective <sup>1</sup> 33  ACCT 212 Managerial Principles  33  CSIS 208 Application Programming  33  CSIS 208 Application Programming  30  CSIS 340 Studies in Information Security  30  Hours  Third Year  First Semester  Cultural Studies Elective <sup>1</sup> 33  CSIS 310 Web Programming  34  CSIS 325 Database Management Systems  35  CSIS 331 Networks  36  Elective  37  Second Semester  Natural Science Elective <sup>1</sup> Natural Science Elective <sup>1</sup> Second Semester  Natural Science Elective <sup>1</sup> Selective  36  37  Selective  37  Selective  38  CSIS 330  Selective  39  Selective  30  Selective  30  Selective  31  Second Semester  Natural Science Elective <sup>1</sup> Natural Science Elective <sup>1</sup> Second Semester  Natural Science Elective <sup>1</sup> Selective  39  Selective  30  Selective  30  Selective  31  Selective  31  Selective  32  Selective  33  Selective  34  Selective  35  Selective  36  Selective  37  Selective  38  Selective  39  Selective  30  Selective  30  Selective  31  Selective  31  Selective  32  Selective  33  Selective  34  Selective  35  Selective  36  Selective  37  Selective  38  Selective  38  Selective  39  Selective  30  Selective  30  Selective  31  Selective  31  Selective  32  Selective  33  Selective  34  Selective  35  Selective  36  Selective  37  Selective  38  Selective  39  Selective  30  Selective  30  Selective  30  Selective  30  Selective  30  Selective  31  Selective  31  Selective  32  Selective  32  Selective  33  Selective  34  Selective  35  Selective  36  Selective  37  Selective  38  Selective  39  Selective  30  Selective  31  Selective  32  Selective | Math Elective (BI | USI 230) <sup>1</sup>                 | 3     |  |
| Second Year           First Semester           Information Literacy Elective <sup>1</sup> 3           THEO 104 Introduction to Theology Survey         4           ACCT 211 Financial Principles         3           CSIS 330 Business Data Communication Systems         3           Elective         3           Hours         16           Second Semester           RLGN 104 Christian Life and Biblical Worldview         4           Critical Thinking Elective <sup>1</sup> 3           ACCT 212 Managerial Principles         3           CSIS 208 Application Programming         3           CSIS 340 Studies in Information Security         3           Hours         16           Third Year           First Semester           Cultural Studies Elective <sup>1</sup> 3           CSIS 310 Web Programming         3           CSIS 331 Networks         3           Elective         3           Hours         15           Second Semester           Natural Science Elective <sup>1</sup> 3   | CSIS 110          | Introduction to Computer Science      | 3     |  |
| First Semester Information Literacy Elective <sup>1</sup> Interval 104 Introduction to Theology Survey 4 ACCT 211 Financial Principles 3 CSIS 330 Business Data Communication Systems 3 Elective 3 Hours 16 Second Semester RLGN 104 Christian Life and Biblical Worldview 4 Critical Thinking Elective <sup>1</sup> 3 ACCT 212 Managerial Principles 3 CSIS 208 Application Programming 3 CSIS 340 Studies in Information Security 3 Hours 16 Third Year First Semester Cultural Studies Elective <sup>1</sup> 3 CSIS 310 Web Programming 3 CSIS 331 Networks 13 Elective 3 Hours 15 Second Semester Natural Science Elective <sup>1</sup> 3 CSIS 320 IS Hardware and Software 3 CSIS 335 Network Security 3 CSIS 335 System Analysis and Design 3 ECON 214 Principles of Macroeconomics 3  |                   | Hours                                 | 15    |  |
| Information Literacy Elective <sup>1</sup> 3           THEO 104         Introduction to Theology Survey         4           ACCT 211         Financial Principles         3           CSIS 330         Business Data Communication Systems         3           Elective         3           Hours         16           Second Semester           RLGN 104         Christian Life and Biblical Worldview         4           Critical Thinking Elective <sup>1</sup> 3           ACCT 212         Managerial Principles         3           CSIS 208         Application Programming         3           CSIS 340         Studies in Information Security         3           Hours         16           Third Year           First Semester           Cultural Studies Elective <sup>1</sup> 3           CSIS 310         Web Programming         3           CSIS 325         Database Management Systems         3           CSIS 331         Networks         3           Elective         3           Hours         15           Second Semester           Natural Science Elective <sup>1</sup> 3   | Second Year       |                                       |       |  |
| THEO 104         Introduction to Theology Survey         4           ACCT 211         Financial Principles         3           CSIS 330         Business Data Communication Systems         3           Elective         3           Hours         16           Second Semester           RLGN 104         Christian Life and Biblical Worldview         4           Critical Thinking Elective <sup>1</sup> 3           ACCT 212         Managerial Principles         3           CSIS 208         Application Programming         3           CSIS 340         Studies in Information Security         3           Hours         16           Third Year           First Semester           Cultural Studies Elective <sup>1</sup> 3           CSIS 310         Web Programming         3           CSIS 325         Database Management Systems         3           CSIS 331         Networks         3           Elective         3           Hours         15           Second Semester           Natural Science Elective <sup>1</sup> 3           CSIS 320         IS Hardware and Software         3  |                   | _                                     |       |  |
| ACCT 211 Financial Principles 3 CSIS 330 Business Data Communication Systems 3 Elective 3 Hours 16 Second Semester RLGN 104 Christian Life and Biblical Worldview 4 Critical Thinking Elective 1 3 ACCT 212 Managerial Principles 3 CSIS 208 Application Programming 3 CSIS 340 Studies in Information Security 3 Hours 16 Third Year First Semester Cultural Studies Elective 1 3 CSIS 310 Web Programming 3 CSIS 325 Database Management Systems 3 CSIS 331 Networks 3 Elective 3 Hours 15 Second Semester Natural Science Elective 1 3 CSIS 320 IS Hardware and Software 3 CSIS 335 Network Security 3 CSIS 335 System Analysis and Design 3 ECON 214 Principles of Macroeconomics 3  | Information Liter | acy Elective <sup>1</sup>             | 3     |  |
| CSIS 330         Business Data Communication Systems         3           Elective         3           Hours         16           Second Semester           RLGN 104         Christian Life and Biblical Worldview         4           Critical Thinking Elective <sup>1</sup> 3           ACCT 212         Managerial Principles         3           CSIS 208         Application Programming         3           CSIS 340         Studies in Information Security         3           Hours         16           Third Year           First Semester           Cultural Studies Elective <sup>1</sup> 3           CSIS 310         Web Programming         3           CSIS 325         Database Management Systems         3           CSIS 331         Networks         3           Elective         3         3           Hours         15           Second Semester           Natural Science Elective <sup>1</sup> 3           CSIS 320         IS Hardware and Software         3           CSIS 335         Network Security         3           CSIS 351         System Analysis and Design         3   | THEO 104          | Introduction to Theology Survey       | 4     |  |
| Hours  Hours  16  Second Semester  RLGN 104  Christian Life and Biblical Worldview  4  Critical Thinking Elective 1  3  ACCT 212  Managerial Principles  33  CSIS 208  Application Programming  30  CSIS 340  Studies in Information Security  Hours  16  Third Year  First Semester  Cultural Studies Elective 1  30  CSIS 310  Web Programming  31  CSIS 325  Database Management Systems  32  CSIS 331  Networks  Elective  33  Hours  15  Second Semester  Natural Science Elective 1  30  CSIS 320  IS Hardware and Software  CSIS 335  Network Security  31  CSIS 351  System Analysis and Design  ECON 214  Principles of Macroeconomics  | ACCT 211          | Financial Principles                  | 3     |  |
| Hours  Second Semester  RLGN 104 Christian Life and Biblical Worldview  4 Critical Thinking Elective 1 3 ACCT 212 Managerial Principles 3 CSIS 208 Application Programming 3 CSIS 340 Studies in Information Security 3 Hours 16  Third Year  First Semester  Cultural Studies Elective 1 3 CSIS 310 Web Programming 3 CSIS 325 Database Management Systems 3 CSIS 331 Networks 3 Elective 3 Hours 15  Second Semester  Natural Science Elective 1 3 CSIS 320 IS Hardware and Software 3 CSIS 335 Network Security 3 CSIS 335 System Analysis and Design 3 CSIS 351 System Analysis and Design   |                   | Business Data Communication Systems   | 3     |  |
| Second Semester  RLGN 104 Christian Life and Biblical Worldview 4  Critical Thinking Elective 1 3  ACCT 212 Managerial Principles 3  CSIS 208 Application Programming 3  CSIS 340 Studies in Information Security 3  Hours 16  Third Year  First Semester  Cultural Studies Elective 1 3  CSIS 310 Web Programming 3  CSIS 325 Database Management Systems 3  CSIS 331 Networks 3  Elective 3  Hours 15  Second Semester  Natural Science Elective 1 3  CSIS 320 IS Hardware and Software 3  CSIS 335 Network Security 3  CSIS 351 System Analysis and Design 3  ECON 214 Principles of Macroeconomics 3   | Elective          |                                       | 3     |  |
| RLGN 104 Christian Life and Biblical Worldview  Critical Thinking Elective <sup>1</sup> 3  ACCT 212 Managerial Principles  CSIS 208 Application Programming  3  CSIS 340 Studies in Information Security  Hours  16  Third Year  First Semester  Cultural Studies Elective <sup>1</sup> 3  CSIS 310 Web Programming  33  CSIS 325 Database Management Systems  33  CSIS 331 Networks  34  Elective  15  Second Semester  Natural Science Elective <sup>1</sup> 3  CSIS 320 IS Hardware and Software  3  CSIS 335 Network Security  3  CSIS 351 System Analysis and Design  3  ECON 214 Principles of Macroeconomics  |                   | Hours                                 | 16    |  |
| Critical Thinking Elective <sup>1</sup> ACCT 212 Managerial Principles 3  CSIS 208 Application Programming 3  CSIS 340 Studies in Information Security 3  Hours 16  Third Year  First Semester  Cultural Studies Elective <sup>1</sup> 3  CSIS 310 Web Programming 3  CSIS 325 Database Management Systems 3  CSIS 331 Networks 3  Elective 3  Hours 15  Second Semester  Natural Science Elective <sup>1</sup> 3  CSIS 320 IS Hardware and Software 3  CSIS 335 Network Security 3  CSIS 335 System Analysis and Design 3  ECON 214 Principles of Macroeconomics 3  |                   |                                       |       |  |
| ACCT 212 Managerial Principles 3 CSIS 208 Application Programming 3 CSIS 340 Studies in Information Security 3 Hours 16 Third Year First Semester Cultural Studies Elective 1 3 CSIS 310 Web Programming 3 CSIS 325 Database Management Systems 3 CSIS 331 Networks 3 Elective 3 Hours 15 Second Semester Natural Science Elective 1 3 CSIS 320 IS Hardware and Software 3 CSIS 335 Network Security 3 CSIS 351 System Analysis and Design 3 ECON 214 Principles of Macroeconomics 3   |                   |                                       |       |  |
| CSIS 208         Application Programming         3           CSIS 340         Studies in Information Security         3           Hours         16           Third Year           First Semester           Cultural Studies Elective <sup>1</sup> 3           CSIS 310         Web Programming         3           CSIS 325         Database Management Systems         3           CSIS 331         Networks         3           Elective         3           Hours         15           Second Semester           Natural Science Elective <sup>1</sup> 3           CSIS 320         IS Hardware and Software         3           CSIS 335         Network Security         3           CSIS 351         System Analysis and Design         3           ECON 214         Principles of Macroeconomics         3  |                   |                                       |       |  |
| CSIS 340         Studies in Information Security         3           Hours         16           Third Year           First Semester           Cultural Studies Elective <sup>1</sup> 3           CSIS 310         Web Programming         3           CSIS 325         Database Management Systems         3           CSIS 331         Networks         3           Elective         3           Hours         15           Second Semester           Natural Science Elective <sup>1</sup> 3           CSIS 320         IS Hardware and Software         3           CSIS 335         Network Security         3           CSIS 351         System Analysis and Design         3           ECON 214         Principles of Macroeconomics         3   |                   | · · · · · · · · · · · · · · · · · · · |       |  |
| Hours   16   |                   |                                       |       |  |
| Third Year           First Semester           Cultural Studies Elective <sup>1</sup> 3           CSIS 310         Web Programming         3           CSIS 325         Database Management Systems         3           CSIS 331         Networks         3           Hours         3           Econd Semester           Natural Science Elective <sup>1</sup> 3           CSIS 320         IS Hardware and Software         3           CSIS 335         Network Security         3           CSIS 351         System Analysis and Design         3           ECON 214         Principles of Macroeconomics         3  | CSIS 340          |                                       |       |  |
| First Semester           Cultural Studies Elective <sup>1</sup> 3           CSIS 310         Web Programming         3           CSIS 325         Database Management Systems         3           CSIS 331         Networks         3           Elective         3           Hours         15           Second Semester           Natural Science Elective <sup>1</sup> 3           CSIS 320         IS Hardware and Software         3           CSIS 335         Network Security         3           CSIS 351         System Analysis and Design         3           ECON 214         Principles of Macroeconomics         3  | Third Vear        | Hours                                 | 16    |  |
| Cultural Studies Elective <sup>1</sup> 3         CSIS 310       Web Programming       3         CSIS 325       Database Management Systems       3         CSIS 331       Networks       3         Elective       3         Hours       15         Second Semester         Natural Science Elective <sup>1</sup> 3         CSIS 320       IS Hardware and Software       3         CSIS 335       Network Security       3         CSIS 351       System Analysis and Design       3         ECON 214       Principles of Macroeconomics       3   |                   |                                       |       |  |
| CSIS 310         Web Programming         3           CSIS 325         Database Management Systems         3           CSIS 331         Networks         3           Hours         15           Second Semester           Natural Science Elective <sup>1</sup> 3           CSIS 320         IS Hardware and Software         3           CSIS 335         Network Security         3           CSIS 351         System Analysis and Design         3           ECON 214         Principles of Macroeconomics         3   |                   | Flective 1                            | 3     |  |
| CSIS 325         Database Management Systems         3           CSIS 331         Networks         3           Hours         15           Second Semester           Natural Science Elective <sup>1</sup> 3           CSIS 320         IS Hardware and Software         3           CSIS 335         Network Security         3           CSIS 351         System Analysis and Design         3           ECON 214         Principles of Macroeconomics         3  |                   |                                       |       |  |
| CSIS 331         Networks         3           Elective         3           Hours         15           Second Semester           Natural Science Elective <sup>1</sup> 3           CSIS 320         IS Hardware and Software         3           CSIS 335         Network Security         3           CSIS 351         System Analysis and Design         3           ECON 214         Principles of Macroeconomics         3  |                   |                                       |       |  |
| Elective         3           Hours         15           Second Semester           Natural Science Elective <sup>1</sup> 3           CSIS 320         IS Hardware and Software         3           CSIS 335         Network Security         3           CSIS 351         System Analysis and Design         3           ECON 214         Principles of Macroeconomics         3  |                   | ,                                     |       |  |
| Hours 15  Second Semester  Natural Science Elective <sup>1</sup> 3  CSIS 320 IS Hardware and Software 3  CSIS 335 Network Security 3  CSIS 351 System Analysis and Design 3  ECON 214 Principles of Macroeconomics 3   |                   |                                       |       |  |
| Second SemesterNatural Science Elective 13CSIS 320IS Hardware and Software3CSIS 335Network Security3CSIS 351System Analysis and Design3ECON 214Principles of Macroeconomics3   |                   | Hours                                 |       |  |
| Natural Science Elective <sup>1</sup> 3 CSIS 320 IS Hardware and Software 3 CSIS 335 Network Security 3 CSIS 351 System Analysis and Design 3 ECON 214 Principles of Macroeconomics 3  | Second Semeste    |                                       |       |  |
| CSIS 320 IS Hardware and Software 3 CSIS 335 Network Security 3 CSIS 351 System Analysis and Design 3 ECON 214 Principles of Macroeconomics 3  |                   |                                       | 3     |  |
| CSIS 335 Network Security 3 CSIS 351 System Analysis and Design 3 ECON 214 Principles of Macroeconomics 3  |                   |                                       |       |  |
| CSIS 351 System Analysis and Design 3 ECON 214 Principles of Macroeconomics 3  |                   |                                       |       |  |
| ECON 214 Principles of Macroeconomics 3  |                   | •                                     |       |  |
|  |                   |                                       |       |  |
|  |                   |                                       | 15    |  |

| Course<br>Fourth Year   | Title   | Hours   |  |
|-------------------------|---|---------|--|
| First Semester          |   |         |  |
| BUSI 310                | Principles of Management                          | 3       |  |
| CSIS 341<br>or CSIS 499 | Information Security Planning or Internship       | 3       |  |
| CSIS 430                | Advanced Networking and Communication Systems     | 3       |  |
| CSIS 473                | IS Project Management                             | 3       |  |
| Elective                |   | 3       |  |
|                         | Hours   | 15      |  |
| Second Semester         |   |         |  |
| BUSI 301                | Legal and Ethical Concepts for Decision<br>Makers | 3       |  |
| CSIS 483                | Information Systems Capstone                      | 3       |  |
| Elective <sup>2</sup>   |   | 3       |  |
| Elective                |   | 3       |  |
| Elective                |   | 3       |  |
|                         | Hours   | 15      |  |
|                         | Total Hours                                       | 120-123 |  |

Refer to the list of approved general education electives at www.liberty.edu/gened before enrolling in foundational skills requirements
<sup>2</sup> Internship (maximum 6 hours) is strongly recommended