

**Important:** This degree plan is effective for those starting this degree program in fall 2019 through summer 2020. 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 (44-47 hours)

| Course   |                               | Hrs | Sem   | Grade |
|--|-------------------------------|-----|-------|-------|
| <b>Communication &amp; Information Literacy (13 hours)<sup>1</sup></b> |                               |     |       |       |
| ENGL 101   | Composition & Rhetoric        | 3   | _____ | _____ |
| INQR 101   | Inquiry 101                   | 1   | _____ | _____ |
| _____  | Communications Elective       | 3   | _____ | _____ |
| _____  | Information Literacy Elective | 3   | _____ | _____ |
| _____  | Information Literacy Elective | 3   | _____ | _____ |

#### Technological Solutions & Quantitative Reasoning (4-7 hours)<sup>1</sup>

|            |                                    |     |       |       |
|------------|------------------------------------|-----|-------|-------|
| UNIV 101   | University Core Competencies       | 1   | _____ | _____ |
| MATH _____ | Math Elective (MATH 114 or higher) | 3   | _____ | _____ |
| _____      | Technology Competency <sup>2</sup> | 0-3 | _____ | _____ |

#### Critical Thinking (8 hours)<sup>1</sup>

|          |   |   |       |       |
|----------|---|---|-------|-------|
| RLGN 105 | Intr Bwvw/Contemp Moral Issues <sup>3</sup> | 2 | _____ | _____ |
| RSCH 201 | Research 201                                | 3 | _____ | _____ |
| _____    | Critical Thinking Elective                  | 3 | _____ | _____ |

#### Civic & Global Engagement (5 hours)<sup>1</sup>

|          |  |   |       |       |
|----------|--|---|-------|-------|
| EVAN 101 | Evangelism & Christian Life <sup>3</sup> | 2 | _____ | _____ |
| _____    | Cultural Studies Elective                | 3 | _____ | _____ |

#### Social & Scientific Inquiry (6 hours)<sup>1</sup>

|       |                          |   |       |       |
|-------|--------------------------|---|-------|-------|
| _____ | Natural Science Elective | 3 | _____ | _____ |
| _____ | Social Science Elective  | 3 | _____ | _____ |

#### Christianity & Contexts (8 hours)<sup>1</sup>

|          |                                 |   |       |       |
|----------|---------------------------------|---|-------|-------|
| BIBL 105 | Old Testament Survey            | 2 | _____ | _____ |
| BIBL 110 | New Testament Survey            | 2 | _____ | _____ |
| THEO 201 | Theology Survey I <sup>3</sup>  | 2 | _____ | _____ |
| THEO 202 | Theology Survey II <sup>3</sup> | 2 | _____ | _____ |

| Course  |   | Hrs | Sem   | Grade |
|---|---|-----|-------|-------|
| <b>Major Foundational Courses (19-27 hours)</b> |   |     |       |       |
| BIOL 224  | General Biology I <sup>4</sup>                        | 4   | _____ | _____ |
| CHEM _____                                      | _____   | 4.5 | 4     | _____ |
| CHEM _____                                      | _____   | 4.6 | 4     | _____ |
| MATH 126  | Elementary Calculus for Business & Sci <sup>4</sup>   |     |       |       |
| or MATH 131                                     | Calculus & Analytic Geometry I <sup>4</sup>           | 3-4 | _____ | _____ |
| MATH 201  | Introduction to Probability & Statistics <sup>4</sup> |     |       |       |
| or MATH 211                                     | Introduction to Statistical Analysis <sup>4</sup>     | 3   | _____ | _____ |
| PHYS 201  | General Physics I <sup>4</sup>                        |     |       |       |
| or PHYS 231                                     | University Physics I <sup>4</sup>                     | 4   | _____ | _____ |
| PHYS 202  | General Physics II <sup>4</sup>                       |     |       |       |
| or PHYS 232                                     | University Physics II <sup>4</sup>                    | 4   | _____ | _____ |

#### MAJOR

|                           |                               |     |       |       |
|---------------------------|-------------------------------|-----|-------|-------|
| <b>Core (45-47 hours)</b> |                               |     |       |       |
| BIOL 225                  | General Biology II            | 4   | _____ | _____ |
| BIOL 301                  | Genetics                      | 4   | _____ | _____ |
| BIOL 310                  | Ecology                       | 4   | _____ | _____ |
| BIOL 400                  | Biology Seminar               | 1   | _____ | _____ |
| BIOL 416                  | Comparative Animal Physiology | 4   | _____ | _____ |
| BIOL _____                | Biology Elective <sup>7</sup> | -   | _____ | _____ |
| BIOL _____                | Biology Elective <sup>7</sup> | -   | _____ | _____ |
| BIOL _____                | Biology Elective <sup>7</sup> | -   | _____ | _____ |
| BIOL _____                | Biology Elective <sup>8</sup> | 3-4 | _____ | _____ |
| CHEM 301                  | Organic Chemistry I           | 4   | _____ | _____ |
| CHEM 302                  | Organic Chemistry II          | 4   | _____ | _____ |
| CRST 290                  | History of Life               |     |       |       |
| or CRST 390               | Origins                       | 3   | _____ | _____ |
| _____                     | _____                         | 9   | 4     | _____ |

#### FREE ELECTIVES (0-12 hours)

|       |       |   |       |       |
|-------|-------|---|-------|-------|
| _____ | _____ | - | _____ | _____ |
| _____ | _____ | - | _____ | _____ |

#### Notes

All applicable prerequisites must be met

<sup>1</sup>Refer to the list of approved general education electives at [www.liberty.edu/gened](http://www.liberty.edu/gened) before enrolling in foundational skill requirements

<sup>2</sup>All students must pass the Computer Assessment OR complete applicable INFT course; refer to [www.liberty.edu/computerassessment](http://www.liberty.edu/computerassessment) for more information

<sup>3</sup>Students transferring in 45 or more UG credit hours will have the requirements of RLGN 105 and EVAN 101 waived; Students transferring in 60 or more UG credit hours will also have the requirements of THEO 201 and THEO 202 waived

<sup>4</sup>Courses may also fulfill select General Education Requirements. Please refer to the list of approved general education electives at [www.liberty.edu/gened](http://www.liberty.edu/gened)

<sup>5</sup>Choose CHEM 121 OR CHEM 131 and 135

<sup>6</sup>Choose CHEM 122 OR CHEM 132 and 136

<sup>7</sup>Choose a 300-400 level BIOL course not already required in the major: 10-11 credits required

<sup>8</sup>Choose BIOL 305, 320, 321, 371, 408, 418 or 419

<sup>9</sup>Choose from BCHM 451, BIOL 303, 403, 415 or 420

*Suggested Course Sequence on second page*

#### Graduation Requirements

120 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

50% Of major 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

CSER All requirements must be satisfied before a degree will be awarded

## SUGGESTED COURSE SEQUENCE

### FRESHMAN YEAR

| First Semester                                   |          | Second Semester                                     |          |
|--|----------|---|----------|
| ENGL 101   | 3        | RLGN 105  | 2        |
| INQR 101   | 1        | Information Literacy Elective <sup>1</sup>          | 3        |
| UNIV 101   | 1        | MATH Elective <sup>1</sup> [MATH 201 <u>or</u> 211] | 3        |
| Natural Science Elective <sup>1</sup> [BIOL 224] | 4        | BIOL 225  | 4        |
| MATH 126 <u>or</u> 131                           | 3-4      | CHEM Elective(s) <sup>3</sup>                       | 4        |
| CHEM Elective(s) <sup>2</sup>                    | 4        | CSER  | <u>0</u> |
| CSER   | <u>0</u> | Total   | 16       |
| Total  | 16-17    |   |          |

### SOPHOMORE YEAR

|  |          |   |          |
|--|----------|---|----------|
| BIOL 301                                   | 4        | EVAN 101                                | 2        |
| RSCH 201                                   | 3        | THEO 201                                | 2        |
| CHEM 301                                   | 4        | Critical Thinking Elective <sup>1</sup> | 3        |
| Information Literacy Elective <sup>1</sup> | 3        | CHEM 302                                | 4        |
| Technology Competency <sup>4</sup>         | 0-3      | Biology Elective <sup>5</sup>           | 3-4      |
| CSER                                       | <u>0</u> | CSER                                    | <u>0</u> |
| Total                                      | 14-17    | Total                                   | 14-15    |

### JUNIOR YEAR

|  |          |                               |          |
|--|----------|-------------------------------|----------|
| BIBL 105                               | 2        | BIBL 110                      | 2        |
| Communications Elective <sup>1</sup>   | 3        | PHYS 202 <u>or</u> 232        | 4        |
| Cultural Studies Elective <sup>1</sup> | 3        | Biology Elective <sup>6</sup> | 3-4      |
| PHYS 201 <u>or</u> 231                 | 4        | Biology Elective <sup>6</sup> | 4        |
| BIOL 310                               | 4        | Elective                      | 2        |
| CSER                                   | <u>0</u> | CSER                          | <u>0</u> |
| Total                                  | 16       | Total                         | 15-16    |

### SENIOR YEAR

|                                       |          |                               |          |
|---------------------------------------|----------|-------------------------------|----------|
| THEO 202                              | 2        | Biology Elective <sup>6</sup> | 4        |
| Social Sciences Elective <sup>1</sup> | 3        | Elective <sup>7</sup>         | 4        |
| BIOL 400                              | 1        | Elective                      | 3        |
| BIOL 416                              | 4        | Elective                      | 3        |
| CRST 290 or CRST 390                  | 3        | CSER                          | <u>0</u> |
| Elective                              | 2        | Total                         | 14       |
| CSER                                  | <u>0</u> |                               |          |
| Total                                 | 15       |                               |          |

#### Notes

*All applicable prerequisites must be met*

<sup>1</sup>Refer to the list of approved general education electives at [www.liberty.edu/gened](http://www.liberty.edu/gened) before enrolling in core competency requirements

<sup>2</sup>Choose CHEM 121 OR CHEM 131 and 135

<sup>3</sup>Choose CHEM 122 OR CHEM 132 and 136

<sup>4</sup>All students must pass the Computer Assessment OR complete applicable INFT course; refer to [www.liberty.edu/computerassessment](http://www.liberty.edu/computerassessment) for more information

<sup>5</sup>Choose BIOL 305, 320, 321, 371, 408, 418 or 419

<sup>6</sup>Choose a 300-400 level BIOL course not already required in the major: 10-11 credits required

<sup>7</sup>Choose from BCHM 451, BIOL 303, 403, 415 or 420