

**Important:** This degree plan is effective for those starting this degree program in fall 2022 through summer 2023. 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   | Foundational Skills                | 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 Bwww/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 <sup>4</sup> | 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>5</sup>                        | 4   | _____ | _____ |
| CHEM _____                                      | _____   | 5,6 | 4     | _____ |
| CHEM _____                                      | _____   | 5,7 | 4     | _____ |
| MATH 201  | Introduction to Probability & Statistics <sup>5</sup> |     |       |       |
| or MATH 211                                     | Introduction to Statistical Analysis <sup>5</sup>     | 3   | _____ | _____ |
| MATH 126  | Elementary Calc. for Business & Sci. <sup>5</sup>     |     |       |       |
| or MATH 131                                     | Calculus & Analytic Geometry I <sup>5</sup>           | 3-4 | _____ | _____ |
| PHYS 201  | General Physics I <sup>5</sup>                        |     |       |       |
| or PHYS 231                                     | University Physics I <sup>5</sup>                     | 4   | _____ | _____ |
| PHYS 202  | General Physics II <sup>5</sup>                       |     |       |       |
| or PHYS 232                                     | University Physics II <sup>5</sup>                    | 4   | _____ | _____ |

#### MAJOR

| Course                    |                           | Hrs | Sem   | Grade |
|---------------------------|---------------------------|-----|-------|-------|
| <b>Core (42-47 hours)</b> |                           |     |       |       |
| BCHM 450                  | Medical Biochemistry      |     |       |       |
| or BCHM 451               | Biochemistry I            | 3-4 | _____ | _____ |
| BIOL 225                  | General Biology II        | 4   | _____ | _____ |
| BIOL 301                  | Genetics                  | 4   | _____ | _____ |
| BIOL 313                  | Clinical Human Anatomy    |     |       |       |
| or BIOL 385               | Advanced Human Physiology | 3   | _____ | _____ |
| BIOL 400                  | Biology Seminar           | 1   | _____ | _____ |
| BIOL 415                  | Cell Biology              | 4   | _____ | _____ |
| CHEM 301                  | Organic Chemistry I       | 4   | _____ | _____ |
| CHEM 302                  | Organic Chemistry II      | 4   | _____ | _____ |
| CRST 290                  | History of Life           |     |       |       |
| or CRST 390               | Origins                   | 3   | _____ | _____ |
| _____                     | _____                     | 8   | _____ | _____ |
| _____                     | _____                     | 8   | _____ | _____ |
| _____                     | _____                     | 8   | _____ | _____ |
| _____                     | _____                     | 8   | _____ | _____ |

#### FREE ELECTIVES (0-15 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 skills 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>PSYC 101 is strongly recommended

<sup>5</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>6</sup>Choose CHEM 121 OR CHEM 131 and 135

<sup>7</sup>Choose CHEM 122 OR CHEM 132 and 136

<sup>8</sup>Choose from BCHM 452, BIOL 303, 305, 313, 316, 321, 330, 385, 403, 416, 420 or 435

*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

25% 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                                     |          |
|---|----------|---|----------|
| EVAN 101  | 2        | ENGL 101  | 3        |
| INQR 101  | 1        | MATH Elective <sup>1</sup> [MATH 201 <u>or</u> 211] | 3        |
| UNIV 101  | 1        | BIOL 225  | 4        |
| Natural Science Elective <sup>1</sup> [ BIOL 224] | 4        | CHEM Elective(s) <sup>3</sup>                       | 4        |
| RLGN 105  | 2        | CRST 290 or CRST 390                                | 3        |
| MATH 126 <u>or</u> 131                            | 3-4      | CSER  | <u>0</u> |
| CHEM Elective(s) <sup>2</sup>                     | 4        | Total   | 17       |
| CSER  | <u>0</u> |   |          |
| Total 17-18                                       |          |   |          |

### SOPHOMORE YEAR

|  |          |   |          |
|--|----------|---|----------|
| RSCH 201                                   | 3        | THEO 201                                | 2        |
| Information Literacy Elective <sup>1</sup> | 3        | Communications Elective <sup>1</sup>    | 3        |
| Technology Competency <sup>4</sup>         | 0-3      | Critical Thinking Elective <sup>1</sup> | 3        |
| BIOL 301                                   | 4        | BIOL 415                                | 4        |
| CHEM 301                                   | 4        | CHEM 302                                | 4        |
| CSER                                       | <u>0</u> | CSER                                    | <u>0</u> |
| Total 14-17                                |          | Total                                   | 16       |

### JUNIOR YEAR

|  |          |   |          |
|--|----------|---|----------|
| BIBL 110                                   | 2        | BIBL 105                                | 2        |
| Information Literacy Elective <sup>1</sup> | 3        | THEO 202                                | 2        |
| PHYS 201 <u>or</u> PHYS 231                | 4        | Social Sciences Elective <sup>1,5</sup> | 3        |
| BCHM 450 or 451                            | 3-4      | PHYS 202 <u>or</u> 232                  | 4        |
| BIOL 313 <u>or</u> 385                     | 3        | Biomedical Elective <sup>6</sup>        | 3-4      |
| CSER                                       | <u>0</u> | CSER                                    | <u>0</u> |
| Total 15-16                                |          | Total                                   | 14-15    |

### SENIOR YEAR

|                                  |          |  |          |
|----------------------------------|----------|--|----------|
| BIOL 400                         | 1        | Cultural Studies Elective <sup>1</sup> | 3        |
| Biomedical Elective <sup>6</sup> | 3-4      | Biomedical Elective <sup>6</sup>       | 3-4      |
| Elective                         | 3        | Biomedical Elective <sup>6</sup>       | 3-4      |
| Elective                         | 3        | Elective                               | 3        |
| Elective                         | 3        | Elective                               | 2        |
| CSER                             | <u>0</u> | CSER                                   | <u>0</u> |
| Total 13-14                      |          | Total                                  | 14-16    |

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

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<sup>5</sup>PSYC 101 is strongly recommended

<sup>6</sup>Choose from BCHM 452, BIOL 303, 305, 313, 316, 321, 330, 385, 403, 416, 420 or 435