

# LIBERTY

UNIVERSITY.

## ONLINE

### Bachelor of Education in Physics Education 6-12

2021-2022 Degree Completion Plan

**Important:** This degree plan is effective for those starting this degree program in fall 2021 through summer 2022. This degree plan will remain in effect for students who do not break enrollment or who do not change degree programs, concentrations or cognates. After completion of the required program coursework (including student teaching) and the passing of licensure tests, the graduate of this program would be eligible for a VA state teaching license.

#### GENERAL EDUCATION/

#### FOUNDATIONAL SKILLS REQUIREMENTS (39-42 hours)

| Course  | Hrs  | Sem | Grade |
|---|--|-----|-------|
| <b>Communication &amp; Information Literacy (12 hours)<sup>1</sup></b>              |  |     |       |
| COMS 101  | Speech Communication                             | 3   | _____ |
| ENGL 101  | Composition & Rhetoric                           | 3   | _____ |
| _____   | Information Literature Elective                  | 3   | _____ |
| HIUS 221  | Survey of American History I                     | 3   | _____ |
| <b>Technological Solutions &amp; Quantitative Reasoning (3-6 hours)<sup>1</sup></b> |  |     |       |
| _____   | MATH Elective                                    | 3   | _____ |
| UNIV 104  | Instructional Tech. for Online Learning          | 0-3 | _____ |
| <b>Critical Thinking (7 hours)</b>  |  |     |       |
| ENGL 201  | American Literature I                            | 3   | _____ |
| RLGN 104  | Christian Life & Biblical Worldview <sup>2</sup> | 4   | _____ |
| <b>Civic &amp; Global Engagement (3 hours)</b>                                      |  |     |       |
| CSTU 101  | Western Culture                                  | 3   | _____ |
| <b>Social &amp; Scientific Inquiry (6 hours)<sup>1</sup></b>                        |  |     |       |
| _____   | Natural Science Elective                         | 3   | _____ |
| PSYC 210  | Developmental Psychology                         | 3   | _____ |
| <b>Christianity &amp; Contexts (8 hours)</b>  |  |     |       |
| BIBL 104  | Survey of Old & New Testament                    | 4   | _____ |
| THEO 104  | Introduction to Theology Survey <sup>2</sup>     | 4   | _____ |
| <b>Major Foundational Courses (0-11 hours)</b>                                      |  |     |       |
| ENGL 102  | Composition & Literature <sup>3</sup>            | 3   | _____ |
| MATH 131  | Calculus & Analytic Geometry I <sup>3</sup>      | 4   | _____ |
| PHYS 231  | University Physics I <sup>3</sup>                | 4   | _____ |

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| <b>Graduation Requirements</b><br><b>120</b> Total Hours<br><b>3.0</b> Overall grade point average<br><b>30</b> Hours must be upper-level courses (300-400 level)<br><b>Grade of 'C'</b> Minimum required for all upper-level courses in the major<br><b>25%</b> Of major taken through Liberty University<br><b>30</b> Hours must be completed through Liberty University<br><b>Grad App</b> Submission of Degree Completion Application must be completed within the last semester of a student's anticipated graduation date |
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| Course                            | Hrs   | Sem | Grade |
|-----------------------------------|---|-----|-------|
| <b>MAJOR</b>                      |   |     |       |
| <b>Core (73 hours)</b>            |   |     |       |
| <i>Education Courses</i>          |   |     |       |
| EDSC 419                          | Teach Sci Content Meth Mid & Sec School           | 3   | _____ |
| EDUC 201                          | Intro. to Education & Classroom Tech.             | 3   | _____ |
| EDUC 221                          | Content Area Read & Diff Teach & Learn            | 3   | _____ |
| EDUC 235                          | Content Instructional Design                      | 3   | _____ |
| EDUC 350                          | Behavior & Individual Differences                 | 3   | _____ |
| EDUC 360                          | Foundations of Education                          | 3   | _____ |
| EDUC 425                          | Content Measurement & Evaluation                  | 3   | _____ |
| EDUC 435                          | Content Curriculum Fundamentals                   | 3   | _____ |
| <i>Practicum and Gate Courses</i> |   |     |       |
| EDGT 175                          | School of Ed Gate 1 – UG Initial Lic – Dist       | 0   | _____ |
| EDGT 275                          | School of Ed Gate 2 – UG Initial Lic – Dist       | 0   | _____ |
| EDGT 375                          | School of Ed Gate 3 – UG Initial Lic – Dist       | 0   | _____ |
| EDUC 188                          | Practicum in Education I: Distance <sup>4</sup>   | 0   | _____ |
| EDUC 388                          | Practicum in Education III: Distance <sup>4</sup> | 0   | _____ |
| EDSC 488                          | Science Lab Practicum in Schools <sup>4</sup>     | 0   | _____ |
| <i>Secondary Courses</i>          |   |     |       |
| BIOL 101                          | Principles of Biology                             | 3   | _____ |
| CHEM 108                          | Chemistry for Health Science Professionals        | 4   | _____ |
| MATH 132                          | Calculus & Analytic Geometry I                    | 4   | _____ |
| MATH 410                          | Matrix & Linear Algebra                           | 3   | _____ |
| PHYS 232                          | University Physics II                             | 4   | _____ |
| PHYS 305                          | Introduction to Modern Physics                    | 3   | _____ |
| PHYS 310                          | Numerical Methods in Physics                      | 3   | _____ |
| PHYS 321                          | Mechanics   | 3   | _____ |
| PHYS 331                          | Electricity & Magnetism                           | 3   | _____ |
| PHYS 432                          | Thermodynamics & Statistical Mechanics            | 3   | _____ |
| PHYS 440                          | Wave Optics                                       | 4   | _____ |
| <i>Student Teaching</i>           |   |     |       |
| EDST 475                          | The Reflective Educator: Resource Sem.            | 3   | _____ |
| EDST 480                          | Student Teaching: Distance <sup>4</sup>           |     | _____ |
| <b>or</b> EDST 481                | Student Teaching: Local <sup>4</sup>              | 9   | _____ |

#### FREE ELECTIVES (0-8 hours)

|  |
|--|
| <b>Notes</b><br><i>All applicable prerequisites must be met</i><br>All practicum courses should be completed before student teaching, and candidates should not plan to take practicum courses in summer terms.<br><sup>1</sup> Refer to the list of approved general education electives at <a href="http://www.liberty.edu/gened">www.liberty.edu/gened</a> before enrolling in foundational skills requirements<br><sup>2</sup> 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<br><sup>3</sup> Courses may also fulfill select General Education Requirements. Please refer to the list of approved general education electives at <a href="http://www.liberty.edu/gened">www.liberty.edu/gened</a><br><sup>4</sup> Liberty University School of Education Background check is required for all practicums and student teaching<br><i>Suggested Course Sequence on second page</i> |
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## SUGGESTED COURSE SEQUENCE

### FRESHMAN YEAR

| <u>First Semester</u> |          | <u>Second Semester</u>                          |          |
|-----------------------|----------|---|----------|
| BIBL 104              | 4        | COMS 101  | 3        |
| ENGL 101              | 3        | CTSU 101  | 3        |
| RLGN 104              | 4        | Info. Literacy Elective <sup>1</sup> [ENGL 102] | 3        |
| UNIV 104              | 0-3      | MATH Elective <sup>1</sup> [MATH 131]           | 4        |
| EDGT 175              | 0        | EDGT 275  | 0        |
| EDUC 201              | <u>3</u> | PSYC 210  | <u>3</u> |
| Total 14-17           |          | Total   | 16       |

### SOPHOMORE YEAR

|  |          |                       |          |
|--|----------|-----------------------|----------|
| HIUS 221   | 3        | ENGL 201              | 3        |
| THEO 104   | 4        | EDUC 188 <sup>2</sup> | 0        |
| EDUC 221   | 3        | EDUC 235              | 3        |
| Natural Science Elective <sup>1</sup> [PHYS 231] | 4        | EDUC 350              | 3        |
| MATH 132   | <u>4</u> | PHYS 232              | 4        |
| Total  | 18       | Elective              | <u>3</u> |
|  |          | Total                 | 16       |

### JUNIOR YEAR

|                       |          |                       |          |
|-----------------------|----------|-----------------------|----------|
| EDSC 419              | 3        | EDUC 388 <sup>2</sup> | 0        |
| EDSC 488 <sup>2</sup> | 0        | EDUC 425              | 3        |
| EDUC 360              | 3        | EDUC 435              | 3        |
| PHYS 305              | 3        | PHYS 321              | 3        |
| PHYS 310              | 3        | PHYS 331              | 3        |
| Elective              | <u>3</u> | MATH 410              | <u>3</u> |
| Total                 | 15       | Total                 | 15       |

### SENIOR YEAR

|          |          |                              |          |
|----------|----------|------------------------------|----------|
| BIOL 101 | 3        | EDST 475                     | 3        |
| CHEM 108 | 4        | EDST 480 or 481 <sup>2</sup> | <u>2</u> |
| EDGT 375 | 0        | Total                        | 12       |
| PHYS 432 | 3        |                              |          |
| PHYS 440 | <u>4</u> |                              |          |
| Total    | 14       |                              |          |

#### 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>Liberty University School of Education Background check is required for all practicums and student teaching