

# Physics Education

## Department Information

- **Department Web Site:**  
[www.ndsu.edu/education/](http://www.ndsu.edu/education/) (<http://www.ndsu.edu/education/>)
- **Credential Offered:**  
B.S.; B.A.
- **Official Program Curriculum:**  
[catalog.ndsu.edu/undergraduate/program-curriculum/physics-education/](http://catalog.ndsu.edu/undergraduate/program-curriculum/physics-education/) (<http://catalog.ndsu.edu/undergraduate/program-curriculum/physics-education/>)

## Sample Program Guide

IMPORTANT DISCLAIMER: This guide is not an official curriculum. This guide is a sample four-year degree plan of how students might plan this major with other degree requirements to complete their education in four years. Student plans will vary from this sample due to a variety of factors, such as, but not limited to, start year, education goals, transfer credit, and course availability. To ensure proper degree completion, enrolled students should utilize Degree Map (<https://www.ndsu.edu/registrar/degreemap/>) and Schedule Planner (<https://www.ndsu.edu/onestop/degree-map-and-planning/>) in Campus Connection and consult regularly with academic advisors to ensure graduation requirements are being met.

| First Year                                                       |         |                                               |           |
|------------------------------------------------------------------|---------|-----------------------------------------------|-----------|
| Fall                                                             | Credits | Spring                                        | Credits   |
| ENGL 110                                                         |         | 3 CHEM 122<br>& 122L (or CHEM 151 & CHEM 161) | 4         |
| CHEM 121<br>& 121L (or CHEM 150 & CHEM 160)                      |         | 4 MATH 129 or 329                             | 3         |
| COMM 110                                                         |         | 3 MATH 166                                    | 4         |
| MATH 165 <sup>1</sup>                                            |         | 4 PHYS 251<br>& 251L                          | 5         |
| PHYS 171                                                         |         | 1 ENGL 120                                    | 3         |
|                                                                  |         | <b>15</b>                                     | <b>19</b> |
| Second Year                                                      |         |                                               |           |
| Fall                                                             | Credits | Spring                                        | Credits   |
| EDUC 321                                                         |         | 3 EDUC 322                                    | 3         |
| GEOL 105<br>& 105L (OR GEOL 106 & GEOL 106L)                     |         | 4 MATH 266                                    | 3         |
| MATH 265                                                         |         | 4 PHYS 110                                    | 3         |
| PHYS 252<br>& 252L                                               |         | 5 PHYS 350                                    | 3         |
| Complete Core Academic Skills<br>Exam or access your ACT+ scores |         | Gen Ed Social & Beh Sci/Cultural<br>Diversity | 3         |
|                                                                  |         | Apply to the School of Education              |           |
|                                                                  |         | <b>16</b>                                     | <b>15</b> |
| Third Year                                                       |         |                                               |           |
| Fall                                                             | Credits | Spring                                        | Credits   |
| BIOL 150<br>& 150L                                               |         | 4 EDUC 481                                    | 3         |
| EDUC 451                                                         |         | 3 EDUC 486                                    | 3         |
| ENGL 324                                                         |         | 3 PHYS 361                                    | 3         |
| PHYS 355                                                         |         | 3 Gen Ed Social & Behavioral Science          | 3         |
| Gen Ed Humanities & Fine Arts                                    |         | 3 Gen Ed Wellness                             | 2         |
|                                                                  |         | <b>16</b>                                     | <b>14</b> |

| Fourth Year                           |         |            |         |
|---------------------------------------|---------|------------|---------|
| Fall                                  | Credits | Spring     | Credits |
| EDUC 475                              |         | 2 EDUC 485 | 1       |
| EDUC 482                              |         | 3 EDUC 487 | 9       |
| EDUC 489                              |         | 3 EDUC 488 | 3       |
| PHYS 411<br>& 411L                    |         | 4          |         |
| PHYS 462                              |         | 3          |         |
| Gen Ed Humanities & Fine Arts         |         | 3          |         |
| Apply for Student Teaching            |         |            |         |
| Complete PLT (grades 7-12) Exam       |         |            |         |
| Complete Subject Area Assessment Exam |         |            |         |
| 18                                    |         |            | 13      |
| Total Credits: 126                    |         |            |         |

1  
Students who place into a math course lower than MATH 165 may need to extend their time to degree completion by up to a year.